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NATIONAL INSTITUTES OF HEALTH

Grants for Training Construction Medical Libraries

Fiscal Year 1986 Funds

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service National Institutes of Health

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NATIONAL INSTITUTES OF HEALTH

Grants
for
Training
Construction
Medical Libraries

Fiscal Year 1986 Funds

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service National Institutes of Health

NIH Publication No. 87-1043

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Prepared by

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

Statistics and Analysis Branch

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PREFACE

The mission of the National Institutes of Health is to protect and improve the health of the American people. To achieve this goal, NIH conducts biomedical research in its own laboratories; provides grants to support research in other organizations; provides grants for the training of research investigators; supports biomedical communications through programs and activities of the National Library of Medicine; and provides grants for facilities and other resources required for cancer research. In addition, the research contract and cooperative agreement mechanisms are used under appropriate circumstances.

Listings of NIH grants and other awards are prepared annually by the Division of Research Grants. This book presents listings of fellowships, training, and medical library grants awarded by the National Institutes of Health from fiscal year 1986 funds. Awards for training and construction made by other constituent agencies of the Public Health Service are not included in this volume.

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TECHNICAL NOTE

Organization Identification

In this presentation, grants are shown at the location of the institution that is professionally responsible for the management and direction of the project. Study of the structure of grantee organizations, especially domestic colleges and universities and state departments of health and their equivalents has led to the following qualifications for listing these kinds of organizations:

1. Listings of institutions of higher education will always show each campus that has received support even though the campuses report directly to a central administration.

2. If a foundation has been established for the purpose of receiving and administering funds, the organization having professional responsibility for the grant is shown rather than the foundation. The name of the foundation will be listed in the Appendix if it differs materially from the name of the eganization.

3. In the listings of all government organizations, the name of the parent department precedes that of the individual component and is listed as many times as there are components receiving grant support.

These qualifications do not apply to foreign institutions or to some domestic organizations, because a systematic study of their organizational structure has not been made. Organizations which require a clarifying comment, or which appear in more than one geographical location, are listed alphabetically in the Appendix.

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Joint Funding

In Table 3, which presents the individual listing of awards, the grant number is shown for the institute having administrative responsibility for the award. The total amount of the award is shown beside the grant number, and the extent of individual institute participation is listed below the total.

Supplemental Awards

In this publication, supplemental awards are combined with the parent grant, or with other supplements, when both awards are made from the same fiscal year funds. Supplemental grants awarded in fiscal year 1986 to parent grants awarded in a previous fiscal year are shown separately; if two or more such supplements were made during fiscal year 1986, these supplements are combined.

Abbreviations

Appearing in this year's publication are two new NIH components. In fiscal year 1986 the responsibilities of the National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases (AM) were divided between two new institutes: The National Institute of Arthritis Musculoskeletal and Skin Diseases (AR) and the National Institute of Diabetes and Digestive and Kidney Diseases (DK). The "AM" code in the list of abbreviations is now replaced with the "AR" and "DK" codes. In listing the grants, an effort was made to minimize changes in grant numbers for projects funded in the prior year and continuing in fiscal year 1986. For example, fiscal year 1986 support for a fiscal year 1985 awarded grant (no. 5T32AM07488-02) continuing in fiscal year 1986 will be reported as grant number 5T32DK07488-03.

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ABBREVIATIONS

Abbreviations and codes for NIH components are as shown below.

Code	Component	Abbreviation
	Institutes and Research Divisions.....	IRD
AG	National Institute on Aging.....	NIA
AI	National Institute of Allergy and Infectious Diseases.....	NIAID
AR	National Institute of Arthritis and Musculoskeletal and Skin Diseases.....	NIAMS
CA	National Cancer Institute.....	NCI
CL	Clinical Center.....	CLC
CT	Division of Computer Research and Technology.....	DCRT
DE	National Institute of Dental Research.....	NIDR
DK	National Institute of Diabetes and Digestive and Kidney Diseases.....	NIDDK
ES	National Institute of Environmental Health Sciences.....	NIEHS
EY	National Eye Institute.....	NEI
GM	National Institute of General Medical Sciences.....	NIGMS
HD	National Institute of Child Health and Human Development.....	NICHD
HL	National Heart, Lung, and Blood Institute...	NHLBI
NR	National Center for Nursing Research.....	NCNR
NS	National Institute of Neurological and Communicative Disorders and Stroke.....	NINCDS
RR	Division of Research Resources.....	DRR
RS	Division of Research Services.....	DRS
LM	National Library of Medicine.....	NLM
OD	Office of the Director, NIH.....	NIH
TW	Fogarty International Center.....	FIC

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TABLE 1.--SUMMARY OF NIH TRAINING, CONSTRUCTION, AND MEDICAL LIBRARY GRANTS, BY ADMINISTERING COMPONENT, FISCAL YEAR 1986

ADMINISTERING COMPONENT	TRAINING	RESEARCH TRAINING GRANTS		FELLOWSHIPS AND NATL RESEARCH SERVICE AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS	
	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
TOTAL NATIONAL INSTITUTES OF HEALTH	217,106,543	1,334	174,394,560	1,819	42,711,983	29	4,954,487	34	2,792,968
INSTITUTES AND RESEARCH DIVISIONS	216,011,743	1,329	173,299,760	1,819	42,711,983	29	4,954,487		
DIVISION OF RESEARCH RESOURCES	1,215,108	9	1,132,104	3	83,004				
FOGARTY INTERNATIONAL CENTER	4,757,848			155	4,757,848				
NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL & ID SKIN DISEASES	5,697,415	63	4,734,295	38	963,120				
NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES	19,698,967	158	15,766,978	157	3,931,989				
NATIONAL CANCER INSTITUTE	29,768,363	170	25,884,066	173	3,884,297				
NATIONAL CENTER FOR NURSING RESEARCH	1,006,172	2	281,517	69	724,655				
NATIONAL EYE INSTITUTE	5,272,018	25	2,520,282	118	2,751,736	23	3,167,441		
NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	38,356,523	257	33,613,587	187	4,742,936	6	1,787,046		
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	10,741,586	66	9,127,584	65	1,614,002				
NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	14,055,415	106	11,352,250	115	2,703,165				
NATIONAL INSTITUTE OF DENTAL RESEARCH	4,326,000	45	3,274,888	45	1,051,112				
NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES	8,066,569	40	7,150,171	42	916,398				
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	55,317,326	250	45,584,128	452	9,733,198				
NATIONAL INSTITUTE ON AGING	5,146,135	44	4,371,956	51	774,179				
NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE	12,586,298	94	8,505,954	178	4,080,344				
NATIONAL LIBRARY OF MEDICINE	1,094,800	5	1,094,800					34	2,792,968

*Supplemental allowances for an award made in a previous year are not included in the count, although dollars are included. Thus, an organization receiving only a supplement will have an entry under dollars but no entry under number.

Note 1: For information as to how this table is structured, see Technical Note, p. viii, also, see Technical Note for treatment of joint funding.

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986

Area and organization	Total		Predoctoral indiv. nat'l res. serv. awards a		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
GRAND TOTAL	1,819	42,711,963	1,810	37,329,063	24	534,002	155	4,757,848
UNITED STATES*	1,795	41,893,479	1,806	36,901,540	24	534,002	155	4,757,844
OTHER COUNTRIES	24	818,886	24	818,886				
UNITED STATES								
ALABAMA								
BIRMINGHAM								
UNIVERSITY OF ALABAMA SYSTEM—UNIVERSITY OF ALABAMA AT BIRMINGHAM	10	246,866	6	132,172			4	113,894
MOBILE								
UNIVERSITY OF SOUTH ALABAMA	3	88,318	3	82,008				7,310
STATE TOTAL	13	335,304	9	214,180			4	121,204
ARIZONA								
PHOENIX								
ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	1	29,004	1	29,004				
TUCSON								
UNIVERSITY OF ARIZONA	13	243,319	11	198,752			2	44,567
STATE TOTAL	14	266,323	12	224,756			2	44,567
CALIFORNIA								
BERKELEY								
UNIVERSITY OF CALIFORNIA AT BERKELEY	64	1,381,495	62	1,329,295	1	29,000	1	27,200
CLAREMONT								
CLAREMONT UNIVERSITY CENTER SYSTEM—SCRIPPS COLLEGE	1	24,996	1	24,996				
DAVIS								
UNIVERSITY OF CALIFORNIA AT DAVIS	10	250,466	8	184,942	1	18,324	1	55,200

*Includes Puerto Rico.

NOTE 1: Supplements for an award made in a previous year are not included in the count, although dollars are included. Thus, an organization receiving only a supplement will have an entry under dollars but no entry under number.

NOTE 2: For information as to how this table is structured, see Technical Note, p. vii. Also, for comments on organizations, see Appendix.

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
CALIFORNIA—Continued								
DUARTE								
BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	1	20,004	1	20,004				
IRVINE								
UNIVERSITY OF CALIFORNIA AT IRVINE	17	377,484	17	377,484				
LA JOLLA								
LA JOLLA CANCER RESEARCH FOUNDATION	2	51,000	2	51,000				
SALK INSTITUTE FOR BIOLOGICAL STUDIES	11	247,360	11	247,360				
SCRIPPS CLINIC AND RESEARCH FOUNDATION	9	231,138	7	167,004			2	64,134
UNIVERSITY OF CALIFORNIA AT SAN DIEGO	36	845,832	31	688,176			5	157,656
LOMA LINDA								
LOMA LINDA UNIVERSITY	3	66,952	2	37,552			1	29,400
LOS ANGELES								
CEDARS-SINAI MEDICAL CENTER	1	33,000	1	33,000				
J. DAVID GLADSTONE FOUNDATION	1	33,000	1	33,000				
U.S. VETERANS ADMINISTRATION MEDICAL CENTER-WEST LOS ANGELES	1	28,800					1	28,800
UNIVERSITY OF CALIFORNIA AT LOS ANGELES	21	466,358	20	399,291			1	67,067
UNIVERSITY OF SOUTHERN CALIFORNIA	8	170,524	8	148,824				21,700
PASADENA								
CALIFORNIA INSTITUTE OF TECHNOLOGY	23	509,988	23	509,988				
RIVERSIDE								
UNIVERSITY OF CALIFORNIA AT RIVERSIDE	1	27,000	1	27,000				
SAN FRANCISCO								
SMITH-KETTLEWELL EYE RESEARCH FOUNDATION	2	55,754	1	29,004			1	26,750
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO	77	1,820,115	72	1,651,465			5	168,650
SANTA BARBARA								
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA	3	69,996	3	69,996				
SANTA CRUZ								
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ	2	49,992	2	49,992				
STANFORD								
STANFORD UNIVERSITY	60	1,335,443	57	1,231,345	1	24,648	2	79,450
TORRANCE								
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR-UCLA MEDICAL CENTER	2	45,996	2	45,996				
STATE TOTAL	356	8,150,693	333	7,356,714	3	70,972	20	726,007
COLORADO								
BOULDER								
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO AT BOULDER	11	223,854	11	223,854				
DENVER								
ELEANOR ROOSEVELT INSTITUTE FOR CANCER RESEARCH	2	39,501	2	39,501				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
COLORADO—Continued								
NATIONAL JEWISH CENTER FOR IMMUNOLOGY AND RESPIRATORY MEDICINE	1	26,004	1	26,004				
UNIVERSITY OF COLORADO SYSTEM–UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER	5	142,790	5	142,790				
FORT COLLINS								
COLORADO STATE UNIVERSITY	2	53,004	2	53,004				
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES–CENTERS FOR DISEASE CONTROL		13,301						13,301
STATE TOTAL	21	498,454	21	485,153				13,301
CONNECTICUT								
FARMINGTON								
UNIVERSITY OF CONNECTICUT HEALTH CENTER	2	40,000	2	40,000				
NEW HAVEN								
HASKINS LABORATORIES	3	73,690	2	45,000			1	28,690
YALE UNIVERSITY	52	1,257,061	51	1,229,934			1	27,127
STATE TOTAL	57	1,370,468	55	1,314,942			2	55,527
DIST OF COL								
WASHINGTON								
AMERICAN UNIVERSITY	1	32,572					1	32,572
CARNEGIE INSTITUTION OF WASHINGTON, D. C.	2	49,992	2	49,992				
CATHOLIC UNIVERSITY OF AMERICA	3	31,656	3	31,656				
GEORGETOWN UNIVERSITY	3	67,000	3	67,000				
HOWARD UNIVERSITY	2	58,458			2	58,858		
U.S. DEPARTMENT OF DEFENSE–ARMED FORCES INSTITUTE OF PATHOLOGY		1,850						1,850
STATE TOTAL	11	241,536	8	148,836	2	58,858	1	34,222
FLORIDA								
GAINESVILLE								
STATE UNIVERSITY SYSTEM OF FLORIDA–UNIVERSITY OF FLORIDA	11	271,824	10	261,286			1	10,538
MIAMI								
UNIVERSITY OF MIAMI	8	192,327	6	134,927			2	57,400
TALLAHASSEE								
STATE UNIVERSITY SYSTEM OF FLORIDA–FLORIDA STATE UNIVERSITY	1	24,996	1	24,996				
TAMPA								
STATE UNIVERSITY SYSTEM OF FLORIDA–UNIVERSITY OF SOUTH FLORIDA	1	18,038					1	18,038
STATE TOTAL	21	507,185	17	421,209			4	85,976

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
GEORGIA								
ATHENS								
UNIVERSITY SYSTEM OF GEORGIA–UNIVERSITY OF GEORGIA	5	106,938	4	75,338	1	25,000		6,600
ATLANTA								
EMORY UNIVERSITY	6	153,391	5	132,000	1	21,391		
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES–CENTERS FOR DISEASE CONTROL	2	48,248					2	48,248
UNIVERSITY SYSTEM OF GEORGIA–GEORGIA STATE UNIVERSITY		2,333				2,333		
AUGUSTA								
UNIVERSITY SYSTEM OF GEORGIA–MEDICAL COLLEGE OF GEORGIA	2	24,604	2	24,604				
STATE TOTAL	15	335,514	11	231,942	2	48,724	2	54,848
HAWAII								
HONOLULU								
UNIVERSITY OF HAWAII SYSTEM–UNIVERSITY OF HAWAII AT MANOA	4	92,258	4	92,258				
STATE TOTAL	4	92,258	4	92,258				
IDAHO								
MOSCOW								
UNIVERSITY OF IDAHO	1	26,062					1	26,062
STATE TOTAL	1	26,062					1	26,062
ILLINOIS								
CHAMPAIGN								
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	5	89,232	4	58,746			1	30,486
CHICAGO								
NORTHWESTERN UNIVERSITY	8	192,984	8	192,984				
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER	1	19,552	1	10,552				9,000
UNIVERSITY OF CHICAGO	23	554,359	22	541,992			1	12,367
UNIVERSITY OF ILLINOIS AT CHICAGO	8	190,234	7	152,800			1	37,434
EVANSTON								
NORTHWESTERN UNIVERSITY	5	112,970	4	84,000			1	28,970
NORTH CHICAGO								
UNIVERSITY OF HEALTH SCIENCES/CHICAGO MEDICAL SCHOOL	1	29,004	1	29,004				
STATE TOTAL	51	1,188,335	47	1,070,078			4	118,257
INDIANA								
BLOOMINGTON								
INDIANA UNIVERSITY AT BLOOMINGTON	3	63,996	3	63,996				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
INDIANA—Continued								
INDIANAPOLIS								
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS	5	99,604	5	99,604				
NOTRE DAME								
UNIVERSITY OF NOTRE DAME	1	23,748	1	23,748				
WEST LAFAYETTE								
PURDUE UNIVERSITY WEST LAFAYETTE	7	113,517	7	113,517				
STATE TOTAL	16	300,865	16	300,865				
IOWA								
AMES								
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY	1	24,996	1	24,996				
DES MOINES								
UNIVERSITY OF OSTEOPATHIC MEDICINE AND HEALTH SCIENCES	1	10,080					1	10,080
IOWA CITY								
UNIVERSITY OF IOWA	22	546,859	21	518,909			1	27,950
STATE TOTAL	24	581,935	22	543,905			2	38,030
KANSAS								
KANSAS CITY								
UNIVERSITY OF KANSAS COLLEGE OF HEALTH SCIENCES AND HOSPITAL		9,000						9,000
LAWRENCE								
UNIVERSITY OF KANSAS LAWRENCE	1	29,050					1	29,050
STATE TOTAL	1	38,050					1	38,050
KENTUCKY								
LEXINGTON								
UNIVERSITY OF KENTUCKY	1	38,496	1	24,996				13,500
STATE TOTAL	1	38,496	1	24,996				13,500
LOUISIANA								
NEW ORLEANS								
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS	2	53,894	1	27,000	1	26,894		
TULANE UNIVERSITY OF LOUISIANA	4	93,251	3	69,996	1	23,255		
SHREVEPORT								
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT SHREVEPORT	2	52,696	1	24,996			1	27,700
STATE TOTAL	8	199,841	5	121,992	2	50,149	1	27,700

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MARYLAND								
BALTIMORE								
CARNEGIE INSTITUTION OF WASHINGTON, D. C.	4	100,992	4	100,992				
JOHNS HOPKINS HOSPITAL	1	29,000					1	29,000
JOHNS HOPKINS UNIVERSITY	35	894,813	33	799,579	1	28,000	1	67,234
UNIVERSITY OF MARYLAND SYSTEM–UNIVERSITY OF MARYLAND AT BALTIMORE	12	238,125	12	238,125				
BETHESDA								
NATIONAL FOUNDATION FOR CANCER RESEARCH		851		851				
U.S. DEPARTMENT OF DEFENSE–UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES	1	19,071	1	12,444				6,627
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES–NATIONAL INSTITUTES OF HEALTH	138	3,513,412	108	2,509,308	2	47,207	28	956,897
COLLEGE PARK								
UNIVERSITY OF MARYLAND SYSTEM–UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS	2	51,996	2	51,996				
FREDERICK								
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES–FREDERICK CANCER RESEARCH FACILITY	1	9,412	1	9,412				
STATE TOTAL	194	4,857,672	161	3,722,707	3	75,207	30	1,059,758
MASSACHUSETTS								
AMHERST								
UNIVERSITY OF MASSACHUSETTS AT AMHERST	2	45,000	2	45,000				
BOSTON								
BOSTON BIOMEDICAL RESEARCH INSTITUTE	1	27,000	1	27,000				
BOSTON UNIVERSITY	8	164,988	8	156,521				8,467
BRIGHAM AND WOMEN'S HOSPITAL	15	383,420	13	341,028			2	42,392
CHILDREN'S HOSPITAL	9	244,008	9	244,008				
DANA-FARBER CANCER INSTITUTE	20	510,441	19	476,891			1	33,550
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION	7	177,994	6	151,494			1	26,500
FORSYTH DENTAL CENTER	1	9,500	1	9,500				
HARVARD UNIVERSITY	41	1,027,427	37	915,207	1	28,000	3	84,220
MASSACHUSETTS EYE AND EAR INFIRMARY	1	30,504	1	26,004				4,500
MASSACHUSETTS GENERAL HOSPITAL	17	441,446	16	404,496			1	36,950
NEW ENGLAND DEACONESS HOSPITAL	1	28,700					1	28,700
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.	9	233,996	8	204,996			1	29,000
TUFTS UNIVERSITY	5	129,504	5	116,004				13,500
BURLINGTON								
MASSACHUSETTS HOSPITAL ASSOCIATION	1	29,004	1	29,004				
CAMBRIDGE								
HARVARD UNIVERSITY	36	804,906	34	749,956			2	54,950
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	64	1,451,718	63	1,417,818			1	33,900
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH	10	235,381	10	225,996				9,385
MEDFORD								
TUFTS UNIVERSITY	1	18,996	1	18,996				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MASSACHUSETTS—Continued								
SHREWSBURY								
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, INC	9	199,002	9	199,002				
WALTHAM								
BRANDEIS UNIVERSITY	12	293,612	11	268,008			1	25,604
WORCESTER								
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER	10	220,822	10	220,822				
STATE TOTAL	280	6,707,369	265	6,247,751	1	28,000	14	431,618
MICHIGAN								
ANN ARBOR								
UNIVERSITY OF MICHIGAN AT ANN ARBOR	22	495,404	18	372,454			4	122,950
DETROIT								
WAYNE STATE UNIVERSITY	6	115,736	5	96,447			1	19,289
EAST LANSING								
MICHIGAN STATE UNIVERSITY	2	62,592	2	49,992				12,600
ROCHESTER								
OAKLAND UNIVERSITY	1	24,996	1	24,996				
STATE TOTAL	31	698,728	26	543,889			5	154,839
MINNESOTA								
MINNEAPOLIS								
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL	27	654,273	24	570,473	1	28,000	2	55,800
ROCHESTER								
MAYO FOUNDATION	2	53,996	1	18,996			1	35,000
STATE TOTAL	29	708,269	25	589,469	1	28,000	3	90,800
MISSISSIPPI								
JACKSON								
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	1	24,996	1	24,996				
STATE TOTAL	1	24,996	1	24,996				
MISSOURI								
COLUMBIA								
UNIVERSITY OF MISSOURI-COLUMBIA	6	166,008	6	157,008				9,000
SAINT LOUIS								
ST. LOUIS UNIVERSITY	2	67,096	1	24,996			1	42,100

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MISSOURI—Continued								
WASHINGTON UNIVERSITY	20	467,558	19	439,75[illegible]			1	27,800
STATE TOTAL	28	700,662	26	621,762			2	78,900
NEBRASKA								
OMAHA								
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER	2	45,000	2	45,000				
STATE TOTAL	2	45,000	2	45,000				
NEW HAMPSHIRE								
DURHAM								
UNIVERSITY SYSTEM OF NEW HAMPSHIRE--UNIVERSITY OF NEW HAMPSHIRE	2	49,980	1	24,996			1	24,984
HANOVER								
DARTMOUTH COLLEGE	3	59,004	3	59,004				
STATE TOTAL	5	108,984	4	84,000			1	24,984
NEW JERSEY								
NEWARK								
RUTGERS THE STATE UNIVERSITY NEWARK	1	18,996	1	18,996				
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY	4	108,000	4	108,000				
NEW BRUNSWICK								
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK	2	38,636	2	38,636				
PISCATAWAY								
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-ROBERT WOOD JOHNSON MEDICAL SCHOOL	6	114,994	6	114,994				
PRINCETON								
PRINCETON UNIVERSITY	16	342,428	16	342,428				
STATE TOTAL	29	623,054	29	623,054				
NEW MEXICO								
ALBUQUERQUE								
UNIVERSITY OF NEW MEXICO ALBUQUERQUE	3	78,528	2	43,992			1	34,536
LOS ALAMOS								
UNIVERSITY OF CALIFORNIA-LOS ALAMOS NATIONAL LABORATORY	1	20,004	1	20,004				
STATE TOTAL	4	98,532	3	63,996			1	34,536

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
NEW YORK								
ALBANY								
STATE UNIVERSITY OF NEW YORK AT ALBANY	2	43,992	2	43,992				
UNION COLLEGE AND UNIVERSITY--ALBANY MEDICAL COLLEGE OF UNION UNIV		9,000						9,000
BUFFALO								
STATE UNIVERSITY OF NEW YORK AT BUFFALO	3	72,000	3	72,000				
COLD SPRING HARBOR								
COLD SPRING HARBOR LABORATORY	9	204,996	9	204,996				
ITHACA								
CORNELL UNIVERSITY ITHACA	11	260,988	8	168,604			3	92,384
NEW YORK								
BOYS' CLUBS OF AMERICA	1	8,585	1	8,585				
CITY UNIVERSITY OF NEW YORK--GRADUATE SCHOOL AND UNIVERSITY CENTER	1	10,552	1	10,552				
CITY UNIVERSITY OF NEW YORK--HUNTER COLLEGE	1	24,996	1	24,996				
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE	4	80,436	2	42,119			2	38,317
COLUMBIA UNIVERSITY--COLUMBIA UNIVERSITY NEW YORK	30	669,134	28	631,724			2	37,410
CORNELL UNIVERSITY MEDICAL CENTER	7	183,612	6	156,012			1	27,600
MEMORIAL SLOAN-KETTERING CANCER CENTER--SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	7	161,508	6	133,008			1	28,500
MONTEFIORE MEDICAL CENTER	1	29,004	1	29,004				
NEW YORK STATE OFFICE OF MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES--INST BASIC RES DEV	1	28,800					1	28,800
NEW YORK UNIVERSITY	13	291,046	11	239,146	1	23,000	1	28,900
PUBLIC HEALTH RESEARCH INSTITUTE OF THE CITY OF NEW YORK, INC	2	59,194	1	31,494			1	27,700
ROCKEFELLER UNIVERSITY	42	973,529	39	879,804			3	93,725
ST. LUKE'S-ROOSEVELT INSTITUTE FOR HEALTH SCIENCES	1	27,000	1	27,000				
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT BROOKLYN	1	33,000	1	33,000				
YESHIVA UNIVERSITY	5	116,004	5	116,004				
ROCHESTER								
UNIVERSITY OF ROCHESTER	18	318,932	17	301,332			1	17,600
STONY BROOK								
STATE UNIVERSITY OF NEW YORK AT STONY BROOK	9	193,826	9	184,826				9,000
SYRACUSE								
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT SYRACUSE	4	71,705	4	71,705				
SYRACUSE UNIVERSITY AT SYRACUSE	2	35,654	1	20,004	1	15,650		
TROY								
RENSSELAER POLYTECHNIC INSTITUTE	1	23,325					1	23,325
UPTON								
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY	1	27,800					1	27,800
VALHALLA								
NEW YORK MEDICAL COLLEGE	3	72,700	2	45,000			1	27,700

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
NEW YORK—Continued								
WHITE PLAINS								
BURKE REHABILITATION CENTER		5,499		5,499				
STATE TOTAL	180	4,036,817	159	3,480,406	2	38,650	19	517,761
NORTH CAROLINA								
CHAPEL HILL								
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	24	607,171	20	507,553			4	99,618
DURHAM								
DUKE UNIVERSITY	12	293,161	12	293,161				
RALEIGH								
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	2	51,996	2	51,996				
RESEARCH TRIANGLE PARK								
CHEMICAL INDUSTRY INSTITUTE OF TOXICOLOGY	1	26,004	1	26,004				
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--NIEHS ENVIRONMENTAL HEALTH SCIENCES CENTER	8	158,035	7	133,885			1	24,150
WINSTON-SALEM								
WAKE FOREST UNIVERSITY	1	30,996	1	30,996				
STATE TOTAL	48	1,167,363	43	1,043,595			5	123,768
OHIO								
CINCINNATI								
CHILDREN'S HOSPITAL MEDICAL CENTER	3	110,900	3	99,000				11,900
UNIVERSITY OF CINCINNATI AT CINCINNATI	4	82,784	4	82,784				
CLEVELAND								
CASE WESTERN RESERVE UNIVERSITY	7	148,093	5	114,498			2	33,595
COLUMBUS								
OHIO STATE UNIVERSITY	10	224,337	8	177,421			2	46,916
DAYTON								
WRIGHT STATE UNIVERSITY	1	24,431			1	24,431		
STATE TOTAL	25	590,545	20	473,703	1	24,431	4	92,411
OKLAHOMA								
OKLAHOMA CITY								
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER	1	24,996	1	24,996				
STATE TOTAL	1	24,996	1	24,996				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
OREGON								
CORVALLIS								
OREGON STATE HIGHER EDUCATION SYSTEM—OREGON STATE UNIVERSITY	2	43,444	1	24,996			1	18,448
EUGENE								
OREGON STATE HIGHER EDUCATION SYSTEM—UNIVERSITY OF OREGON	5	111,350	4	80,016			1	31,334
PORTLAND								
GOOD SAMARITAN HOSPITAL AND MEDICAL CENTER	2	54,000	2	54,000				
OREGON STATE HIGHER EDUCATION SYSTEM—OREGON HEALTH SCIENCES UNIVERSITY	4	97,743	4	97,743				
STATE TOTAL	13	306,537	11	256,755			2	49,782
PENNSYLVANIA								
BETHLEHEM								
LEHIGH UNIVERSITY	1	33,016					1	33,016
DANVILLE								
GEISINGER MEDICAL CENTER	1	5,166	1	5,166				
HERSHEY								
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER	3	71,824	2	43,324			1	28,500
PHILADELPHIA								
DREXEL UNIVERSITY	1	28,000			1	28,000		
FOX CHASE CANCER CENTER	1	26,004	1	26,004				
INSTITUTE FOR CANCER RESEARCH	4	97,008	4	97,008				
MEDICAL COLLEGE OF PENNSYLVANIA	1	24,996	1	24,996				
MONELL CHEMICAL SENSES CENTER	1	26,004	1	26,004				
PENNSYLVANIA COLLEGE OF OPTOMETRY	1	26,004	1	26,004				
PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE	1	24,996	1	24,996				
TEMPLE UNIVERSITY	4	118,708	4	106,008				12,700
THOMAS JEFFERSON UNIVERSITY	2	38,898	1	29,004			1	9,894
UNIVERSITY CITY SCIENCE CENTER	1	18,996	1	18,996				
UNIVERSITY OF PENNSYLVANIA	31	752,948	29	698,516			2	54,432
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY	4	92,544	3	64,044			1	28,500
PITTSBURGH								
CARNEGIE-MELLON UNIVERSITY	3	84,000	3	84,000				
UNIVERSITY OF PITTSBURGH AT PITTSBURGH	4	96,996	4	96,996				
UNIVERSITY PARK								
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK	5	91,300	5	91,300				
STATE TOTAL	69	1,657,408	62	1,462,366	1	28,000	6	167,042
RHODE ISLAND								
PROVIDENCE								
BROWN UNIVERSITY	3	79,229	2	51,000			1	28,229
STATE TOTAL	3	79,229	2	51,000			1	28,229

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral ,ndiv. nal'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
SOUTH CAROLINA								
CHARLESTON								
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2	53,196	1	24,996			1	28,200
COLUMBIA								
UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA	3	55,369	3	55,369				
STATE TOTAL	5	108,565	4	80,365			1	28,200
TENNESSEE								
MEMPHIS								
UNIVERSITY OF TENNESSEE SYSTEM–UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES	4	88,513	3	73,008			1	15,505
NASHVILLE								
MEHARRY MEDICAL COLLEGE	2	29,640	2	29,640				
VANDERBILT UNIVERSITY	8	197,004	8	197,004				
STATE TOTAL	14	315,157	13	299,652			1	15,505
TEXAS								
AUSTIN								
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS AT AUSTIN	9	177,544	9	177,544				
COLLEGE STATION								
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM–TEXAS A & M UNIVERSITY AT COLLEGE STATION	6	133,652	5	104,552			1	29,100
DALLAS								
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS	12	276,671	11	247,496			1	29,175
GALVESTON								
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	3	82,004	2	53,004			1	29,000
HOUSTON								
BAYLOR COLLEGE OF MEDICINE	25	607,934	25	600,000				7,934
UNIVERSITY OF HOUSTON SYSTEM–UNIVERSITY OF HOUSTON–UNIVERSITY PARK	4	92,004	4	92,004				
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	3	75,996	3	75,996				
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS SYSTEM CANCER CENTER	5	126,004	4	98,004	1	28,000		
LUBBOCK								
TEXAS TECH UNIVERSITY	2	45,000	2	45,000				
SAN ANTONIO								
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	4	73,269	3	45,269	1	28,000		
STATE TOTAL	73	1,690,078	68	1,538,869	2	56,000	3	95,209

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
UTAH								
SALT LAKE CITY								
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH	7	197,004	7	197,004				
STATE TOTAL	7	197,004	7	197,004				
VERMONT								
BURLINGTON								
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE	2	56,950	1	18,996			1	37,954
STATE TOTAL	2	56,950	1	18,996			1	37,954
VIRGINIA								
CHARLOTTESVILLE								
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE	19	420,595	19	420,595				
NORFOLK								
EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL	2	59,025	1	33,000	1	26,025		
RICHMOND								
VIRGINIA COMMONWEALTH UNIVERSITY	3	75,000	3	75,000				
STATE TOTAL	24	554,620	23	528,595	1	26,025		
WASHINGTON								
PULLMAN								
WASHINGTON STATE UNIVERSITY	3	48,810	2	22,748			1	26,062
SEATTLE								
CHILDREN'S ORTHOPEDIC HOSPITAL AND MEDICAL CENTER	2	54,000	2	54,000				
FRED HUTCHINSON CANCER RESEARCH CENTER	10	223,382	9	196,982			1	26,400
SEATTLE BIOMEDICAL RESEARCH INSTITUTE	1	26,004	1	26,004				
UNIVERSITY OF WASHINGTON	49	1,132,228	42	939,498			7	192,730
STATE TOTAL	65	1,484,424	56	1,239,232			9	245,192
WEST VIRGINIA								
MORGANTOWN								
WEST VIRGINIA UNIVERSITY	2	35,038	1	24,996			1	10,042
STATE TOTAL	2	35,038	1	24,996			1	10,042
WISCONSIN								
MADISON								
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON	30	654,869	29	618,402			1	36,467

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
WISCONSIN—Continued								
MILWAUKEE								
BLOOD CENTER OF SOUTHEASTERN WISCONSIN		9,000						9,000
MEDICAL COLLEGE OF WISCONSIN	2	53,596	1	24,996			1	28,600
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MILWAUKEE	1	12,498	1	12,498				
STATE TOTAL	33	729,963	31	655,896			2	74,067
PUERTO RICO								
SAN JUAN								
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES	1	17,220			1	17,220		
UNIVERSITY OF PUERTO RICO RIO PIEDRAS	2	46,798	1	9,852	1	36,946		
STATE TOTAL	3	64,018	1	9,852	2	54,166		
VIRGIN IS (US)								
CHARLOTTE AMALIE								
COLLEGE OF THE VIRGIN ISLANDS	1	47,100			1	47,100		
STATE TOTAL	1	47,100			1	47,100		
OTHER COUNTRIES								
AUSTRALIA								
BEDFORD PARK								
FLINDERS UNIVERSITY OF SOUTH AUSTRALIA		915		915				
PRAHRAN								
BAKER MEDICAL RESEARCH INSTITUTE	1	20,004	1	20,004				
COUNTRY TOTAL	1	20,919	1	20,919				
CANADA								
MONTREAL								
MC GILL UNIVERSITY	1	21,996	1	21,996				
TORONTO								
UNIVERSITY OF TORONTO	3	113,004	3	113,004				
VANCOUVER								
UNIVERSITY OF BRITISH COLUMBIA	2	50,742	2	50,742				
COUNTRY TOTAL	6	185,742	6	185,742				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
DENMARK								
COPENHAGEN								
UNIVERSITY OF COPENHAGEN		3,000		3,000				
COUNTRY TOTAL		3,000		3,000				
FRANCE								
STRASBOURG								
NATIONAL CENTER FOR SCIENTIFIC RESEARCH–STRASBOURG MACROMOLECULAR LABORATORIES	1	26,870	1	26,870				
COUNTRY TOTAL	1	26,870	1	26,870				
GERMANY FED R								
HEIDELBERG								
EUROPEAN MOLECULAR BIOLOGY ORGANIZATION	2	41,478	2	41,478				
COUNTRY TOTAL	2	41,478	2	41,478				
ISRAEL								
REHOVOT								
WEIZMANN INSTITUTE OF SCIENCE	2	45,000	2	45,000				
COUNTRY TOTAL	2	45,000	2	45,000				
JAPAN								
TOKYO								
UNIVERSITY OF TOKYO		1,403		1,403				
COUNTRY TOTAL		1,403		1,403				
NETHERLANDS								
AMSTERDAM								
NETHERLANDS CANCER INSTITUTE	1	20,004	1	20,004				
UNIVERSITY OF AMSTERDAM	1	24,996	1	24,996				
COUNTRY TOTAL	2	45,000	2	45,000				
SWEDEN								
GOTHENBURG								
GOTHENBURG UNIVERSITY	1	19,596	1	19,596				
LUND								
UNIVERSITY OF LUND		2,493		2,493				

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Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1986—Continued

Area and organization	Total		Postdoctoral individual research service awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
SWEDEN—Continued								
STOCKHOLM								
CAROLINE INSTITUTE	1	29,004	1	29,004				
COUNTRY TOTAL	2	51,093	2	51,093				
SWITZERLAND								
BASEL								
UNIVERSITY OF BASEL		3,000		3,000				
ZURICH								
UNIVERSITY OF ZURICH	1	15,996	1	15,996				
COUNTRY TOTAL	1	18,996	1	18,996				
UNITED KINGDOM								
BRISTOL								
UNIVERSITY OF BRISTOL		2,500		2,500				
CAMBRIDGE								
AGRICULTURAL RESEARCH COUNCIL-PLANT BREEDING INSTITUTE	1	20,004	1	20,004				
MEDICAL RESEARCH COUNCIL	4	83,655	4	83,655				
UNIVERSITY OF CAMBRIDGE	3	68,199	3	68,199				
CARDIFF								
WELSH NATIONAL SCHOOL OF MEDICINE	1	33,000	1	33,000				
LONDON								
MEDICAL RESEARCH COUNCIL	1	21,996	1	21,996				
ST. THOMAS HOSPITAL	1	18,996	1	18,996				
UNIVERSITY OF LONDON	3	58,298	3	58,298				
ZOOLOGICAL SOCIETY OF LONDON	1	23,004	1	23,004				
OXFORD								
UNIVERSITY OF OXFORD	2	49,352	2	49,352				
COUNTRY TOTAL	17	379,004	17	379,004				

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986

Program director	General area of training	Grant number	Dollars
TOTAL, 1,334 GRANTS			174,394,560

ALABAMA

BIRMINGHAM

UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA AT BIRMINGHAM ZIP CODE 35294

ACTON, RONALD T	TUMOR BIOLOGY–MULTIDISCIPLINARY	5T32 CA09128-10	222,263
ALFORD, CHARLES A, JR	PATHOGENESIS OF INFECTIONS OF MOTHERS AND CHILDREN	5T32 HD07300-02	58,860
ALFORD, CHARLES A, JR	SHORT-TERM RESEARCH TRAINING	5T35 HL07473-07	49,768
CASSELL, GAIL H	BASIC MECHANISMS OF LUNG DISEASES	5T32 HL07553-04	135,083
COMPANS, RICHARD W	BASIC MECHANISMS IN VIROLOGY	5T32 AI07150-09	106,254
COMPANS, RICHARD W	PREDOCTORAL TRAINING IN CELL AND MOLECULAR BIOLOGY	5T32 GM08111-03	58,131
HUNTER, ERIC	TRAINING PROGRAM IN VIRAL ONCOLOGY	5T32 CA09467-04	133,230
KNAPP, GAYLE	INFECTIOUS DISEASES AND BASIC MICROBIOLOGY TRAINING	5T32 AI07041-09	115,313
KOOPMAN, WILLIAM J	RHEUMATIC DISEASE RESEARCH	5T32 AR07450-05	111,421
LINDSEY, J RUSSELL	LABORATORY ANIMAL MEDICINE AND COMPARATIVE PATHOLOGY	5T32 RR07003-10	85,559
LOBUGLIO, ALBERT F	HEMATOLOGY TRAINING PROGRAM	5T32 DK07488-03	86,851
LUKE, ROBERT G	UAB NRTC PROGRAM IN RENAL PHYSIOLOGY & DISEASE	5T32 DK07427-05	94,058
NAVAR, LUIS G	UAB MINORITY HYPERTENSION SUMMER TRAINING PROGRAM	5T35 HL07395-09	109,785
NAVIA, JUAN M	NUTRITION AND ORAL HEALTH	5T32 DE07020-12	108,171
OPARIL, SUZANNE	MECHANISMS OF HYPERTENSION	5T32 HL07457-07	200,370
POHOST, GERALD M	RESEARCH CARDIOLOGY TRAINING PROGRAM	5T32 HL07327-08	174,946
RETIEF, DANIEL H	CARIES RESEARCH	5T32 DE07026-10	99,194
VOLANAKIS, JOHN E	IMMUNOLOGIC DISEASES AND BASIC IMMUNOLOGY	2T32 AI07051-11	203,851
WILSON, GRAEME S	VISION RESEARCH TRAINING	5T32 EY07033-10	48,323
WILSON, GRAEME S	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 EY07084-05	4,831
ORGANIZATION TOTAL	20	2,206,262	

MOBILE

UNIVERSITY OF SOUTH ALABAMA ZIP CODE 36688

CURRERI, P WILLIAM	POSTDOCTORAL TRAINING IN TRAUMA AND BURN RESEARCH	5T32 GM08154-02	29,661
YIELDING, K LENORE	SHORT TERM RESEARCH TRAINING	2T35 HL07509-06	23,572
ORGANIZATION TOTAL	2	53,233	

MONTGOMERY

ALABAMA STATE UNIVERSITY ZIP CODE 36195

SINGH, SHIVA P	MARC PROGRAM FOR ALABAMA STATE UNIVERSITY	5T34 GM08167-02	135,349
ORGANIZATION TOTAL	1	135,349	

NOTE: Grants are listed according to the State or Country and City of the component part of the organization professionally responsible for the work (see Technical Note, p. vii); also see Technical Note for treatment of joint funding. If an organization appears in more than one geographic location or requires a clarifying comment, appropriate annotations have been made in the Appendix.

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
ALABAMA—Continued			
NORMAL			
ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY ZIP CODE 35762			
BROWN, RATHER G	BIOMEDICAL SCIENCES	5T34 GM07943-05	126,230
ORGANIZATION TOTAL 1	126,230		
TALLADEGA			
TALLADEGA COLLEGE ZIP CODE 35160			
BACON, ARTHUR L	BIOMEDICAL SCIENCES	5T34 GM07660-10	155,782
ORGANIZATION TOTAL 1	155,782		
TUSCALOOSA			
STILLMAN COLLEGE ZIP CODE 35403			
COLLINS, MILDRED A	MARC UNDERGRADUATE BIOMEDICAL RESEARCH TRAINING	1T34 GM08144-01	95,603
ORGANIZATION TOTAL 1	95,603		
UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA IN TUSCALOOSA ZIP CODE 35487			
ELLIS, NORMAN R	MENTAL RETARDATION	5T32 HD07262-04	41,850
ORGANIZATION TOTAL 1	41,850		
TUSKEGEE INSTITUTE			
TUSKEGEE UNIVERSITY ZIP CODE 36088			
BOWIE, WALTER C	MINORITY POSTDOCTORAL TRAINING IN VETERINARY MEDICINE	5T32 GM07995-05	108,303
THOMAS, JULIAN E	CAREER ACCESS TO RESEARCH VOCATIONS	5T34 GM07691-07	114,273
ORGANIZATION TOTAL 2	222,576		
STATE TOTAL 29	3,036,885		
ALASKA			
ANCHORAGE			
UNIVERSITY OF ALASKA SYSTEM–UNIVERSITY OF ALASKA ANCHORAGE CAMPUS ZIP CODE 99504			
KULLBERG, RICHARD W	UA ANCHORAGE MARC HONORS UNDERGRADUATE PROGRAM	5T34 GM08040-04	60,246
ORGANIZATION TOTAL 1	60,246		
STATE TOTAL 1	60,246		
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA ZIP CODE 85721			
GERNER, EUGENE W	CANCER BIOLOGY	5T32 CA09213-09	133,207
HINSHAW, ADA S	INSTRUMENTS FOR CLINICAL NURSING RESEARCH	5T32 NR07029-02	153,677
JOHNSON, DAVID G	CLINICAL PHARMACOLOGY RESEARCH TRAINING	5T32 GM07533-09	29,695
JOHNSON, PAUL C	PHYSIOLOGY	5T32 HL07249-10	137,037
LEMEN, RICHARD J	RESEARCH TRAINING IN PEDIATRIC RESPIRATORY DISEASES	5T32 HL07562-02	57,244
SIPES, I GLENN	ENVIRONMENTAL TOXICOLOGY	5T32 ES07091-08	131,293
ORGANIZATION TOTAL 6	642,153		
STATE TOTAL 6	642,153		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
ARKANSAS			
PINE BLUFF			
UNIVERSITY OF ARKANSAS AT PINE BLUFF ZIP CODE 71601			
WILLINGHAM, WILLIAM M	ACCESS TO CAREERS IN THE BIOMEDICAL SCIENCES	5T34 GM08025-03	59,840
ORGANIZATION TOTAL	1 59,840		
STATE TOTAL	1 59,840		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY ZIP CODE 94720			
ADAMS, ANTHONY J	PHYSIOLOGICAL OPTICS	5T32 EY07043-09	155,683
CHAMBERLIN, MICHAEL J	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07232-10	486,674
COHN, THEODORE E	SHORT-TERM TRAINING–STUDENTS IN PROFESSIONAL SCHOOLS	5T35 EY07083-05	24,361
FORTE, JOHN G	SYSTEMS AND INTEGRATIVE BIOLOGY	5T32 GM07379-10	391,941
ROSHLAND, MARIAN E	MOLECULAR IMMUNOLOGY AND TUMOR BIOLOGY	5T32 CA09179-12	140,110
KRETCHMER, NORMAN	TRAINING PROGRAM IN HUMAN NUTRITION	5T32 HD07266-04	125,330
LANGER, JONAS	DEVELOPMENTAL PSYCHOLOGY	5T32 HD07181-08	116,436
LEE, RONALD D	INTERDISCIPLINARY TRAINING IN DEMOGRAPHY	5T32 HD07275-03	117,354
		NICHD	87,762
		NIA	29,592
LINN, STUART M	ENVIRONMENTAL MUTAGENS AND CARCINOGENS	5T32 ES07075-09	155,094
NANDI, SATYABRATA	EXPERIMENTAL BIOLOGY OF CANCER–HORMONES/GROWTH CONTROL	5T32 CA09041-12	227,089
PAIGEN, KENNETH	GENETICS	5T32 GM07127-12	189,033
PAIGEN, KENNETH	MOLECULAR GENETICS OF DEVELOPMENT	5T32 HD07299-02	107,153
SYME, S LEONARD	BEHAVIORAL FACTORS IN CARDIOVASCULAR DISEASE	5T32 HL07365-09	158,400
WERBLIN, FRANK S	NEUROBIOLOGY	5T32 GM07048-12	102,182
ORGANIZATION TOTAL	14 2,496,840		
UNIVERSITY OF CALIFORNIA-LAWRENCE BERKELEY LABORATORY ZIP CODE 94720			
BUDINGER, THOMAS F	QUANTITATIVE CARDIOVASCULAR RESEARCH	5T32 HL07367-09	49,053
FORTE, TRUDY M	LIPOPROTEIN METHODOLOGY, STRUCTURE, AND FUNCTION	5T32 HL07279-10	51,436
ORGANIZATION TOTAL	2 100,489		
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS ZIP CODE 95616			
ABBOTT, URSULA K	GENETICS	5T32 GM07467-09	113,221
BLAISDELL, F WILLIAM	TRAUMATOLOGY	5T32 GM07860-07	25,526
CROSS, CARROLL E	PULMONARY DISEASES–INTERDISCIPLINARY	5T32 HL07013-12	116,440
DUNCWORTH, DONALD L	ENVIRONMENTAL PATHOLOGY	5T32 ES07055-10	154,351
HERSHEY, JOHN W	TRAINING IN MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07377-09	77,721
HSIEH, DENNIS P	ENVIRONMENTAL TOXICOLOGY	5T32 ES07C59-09	122,099
MEIZEL, STANLEY	REPRODUCTIVE BIOLOGY	5T32 HD07131-09	35,605
MULLOWEY, BRIAN	CELLU[illegible] NEUROBIOLOGY	1T32 NS07300-01	118,696
STERN, JUDITH S	CONTR[illegible] OF FOOD INTAKE: FOCUS ON NUTRITION AND BEHAVIOR	5T32 DK07355-07	158,675
ORGANIZATION TOTAL	9 922,334		
DUARTE			
CITY OF HOPE NATIONAL MEDICAL CENTER ZIP CODE 91010			
BAPPAPORT, HENRY	NEOPLASTIC HEMATOPATHOLOGY	5T32 CA09308-09	62,769
ORGANIZATION TOTAL	1 62,769		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
IRVINE			
UNIVERSITY OF CALIFORNIA AT IRVINE ZIP CODE 92717			
BERNS, MICHAEL W	CARCINOGENESIS	ST32 CA09054-12	175,853
BRYANT, PETER J	DEVELOPMENTAL MECHANISMS UNDERLYING CONGENITAL DEFECTS	ST32 HD07029-12	113,255
COTMAN, CARL W	NEUROBIOLOGY OF AGING	ST32 AG00096-05	91,302
FURUYAMA, KIMIE	GRADUATE RESEARCH TRAINING IN DERMATOLOGY	2T32 AR07175-12	28,632
HAMKALO, BARBARA A	SYNTHESIS AND STRUCTURE OF BIOLOGICAL MACROMOLECULES	ST32 GM07311-12	63,804
SHANK, RONALD C	GRADUATE TRAINING PROGRAM IN ENVIRONMENTAL TOXICOLOGY	ST32 ES07157-02	148,964
SYPHERD, PAUL S	REGULATION OF BIOLOGICAL PROCESSES	ST32 GM07134-12	99,978
ORGANIZATION TOTAL	7 721,788		
LA JOLLA			
LA JOLLA CANCER RESEARCH FOUNDATION ZIP CODE 92037			
OSHIMA, ROBERT G	DEVELOPMENTAL GENE REGULATION	ST32 CA09497-03	117,209
ORGANIZATION TOTAL	1 117,209		
SALK INSTITUTE FOR BIOLOGICAL STUDIES ZIP CODE 92037			
COHN, MELVIN	ONCOLOGY RESEARCH	2T32 CA09254-11	50,879
ECKHART, WALTER	CELL REGULATION DIFFERENTIATION AND CANCER	ST32 CA09370-06	218,714
ORGANIZATION TOTAL	2 269,593		
SCRIPPS CLINIC AND RESEARCH FOUNDATION ZIP CODE 92037			
BEUTLER, ERNEST	INVESTIGATIVE HEMATOLOGY	ST32 DK07022-07	132,963
CARSON, DENNIS A	TRAINING IN CLINICAL IMMUNOLOGY	ST32 AR07144-13	138,689
DIXON, FRANK J	IMMUNOPATHOLOGY	ST32 GM07437-10	73,282
EDGINGTON, THOMAS S	PATHOGENESIS AND IMMUNOLOGY OF DISEASE	ST32 AI07244-05	280,649
KLIMMAN, NORMAN R	IMMUNOLOGICAL & NEUROBIOLOGICAL ASPECTS OF AGING	ST32 AG00080-07	106,921
MULLER-EBERHARD, HANS J	BLOOD SYSTEMS IN COAGULATION AND VESSEL DISEASE	2T32 HL07195-11	268,796
ULEVITCH, RICHARD J	POSTDOCTORAL TRAINING GRANT	1T32 GM08172-01	61,320
ORGANIZATION TOTAL	7 1,062,650		
UNIVERSITY OF CALIFORNIA AT SAN DIEGO ZIP CODE 92093			
ARESON, WAYNE H	ORTHOPAEDIC AND REHABILITATION RESEARCH TRAINING PROGRAM	ST32 AR07484-03	36,109
BROWN, WILLIE C	MARC HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	ST34 GM08035-04	84,441
COVELL, JAMES W	CARDIOVASCULAR PHYSIOLOGY AND PHARMACOLOGY	ST32 HL07444-08	199,239
DEFTOS, LEONARD J	DISEASES OF BONE AND CALCIUM METABOLISM	ST32 AR07048-13	89,559
DONOGHUE, DANIEL J	BIOCHEMISTRY OF GROWTH REGULATION AND ONCOGENESIS	ST32 CA09523-02	75,633
DUTTON, RICHARD W	REGULATORY MECHANISMS IN THE IMMUNE RESPONSE	ST32 CA09174-12	189,769
FANESTIL, DARRELL D	HYPERTENSION	ST32 HL07261-10	150,038
FUNG, YUAN-CHENG B	CARDIOVASCULAR SURGERY AND BIOENGINEERING	ST32 HL07089-12	93,820
GEDUSCHEK, E PETER	CELLULAR AND MOLECULAR BIOLOGY	ST32 GM07313-12	314,713
GILL, GORDON N	EXPERIMENTAL ENDOCRINOLOGY AND METABOLISM	ST32 DK07044-09	85,846
GOULIAN, MEHRAN	BLOOD AND BLOOD DISEASES	ST32 HL07107-12	98,365
HOFMANN, ALAN F	GASTROENTEROLOGY	3T32 DK07202-11S1	37,138
KRISTAN, WILLIAM B, JR	SYSTEMS AND INTEGRATIVE NEUROBIOLOGY	ST32 GM08107-02	39,045
LAMPERT, PETER W	PATHOGENESIS OF VIRUS INDUCED BRAIN DISEASE	ST32 NS07078-10	147,188
		NHCS	106,019
		NIA	41,169
LINDSLEY, DAN L, JR	GENETIC MECHANISMS AND REGULATION	ST32 GM07240-12	204,902
MOSER, KENNETH M	PULMONARY MEDICINE	ST32 HL07022-12	127,409
OLEFSKY, JERROLD M	TRAINING PROGRAM IN DIABETES RESEARCH	ST32 DK07494-03	91,566
OSMAN, MICHAEL N	RESEARCH IN INFECTIOUS DISEASES	ST32 AI07036-10	156,582
SEEGMILLER, JARVIS E	GENETIC CONTROL OF HUMAN METABOLISM	ST32 DK07318-09	104,686
SINGER, S JONATHAN	BASIC BIOCHEMICAL AND BIOLOGICAL MECHANISMS IN CANCER	ST32 CA09345-07	100,140
SPITZER, NICHOLAS C	NEUROBIOLOGY TRAINING PROGRAM	ST32 NS07220-05	41,860
STEINBERG, DANIEL	LIPIDS, LIPOPROTEINS AND ATHEROSCLEROSIS	ST32 HL07276-10	128,596
TAYLOR, PALMER W	GRADUATE TRAINING IN CELL AND MOLECULAR PHARMACOLOGY	ST32 GM07752-08	129,873

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
TRAYLOR, TEDDY G	HEMOGLOBIN AND BLOOD PROTEIN CHEMISTRY	2T32 DK07233-11	195,204
VAINIO, AIRT P	CANCER RESEARCH	5T32 CA09290-08	238,288
VANHERWICK, ERIC A	MEDICAL SCIENTIST	5T32 GM07198-12	388,270
VANHERWICK, ERIC A	SHORT TERM RESEARCH TRAINING	5T35 HL07491-07	55,878
WEST, JOHN B	PHYSIOLOGICAL BASIS OF PULMONARY DISEASE	2T32 HL07212-11	123,748
ZWAFLER, NATHAN J	RHEUMATIC DISEASES	5T32 AR07062-12	93,855
ORGANIZATION TOTAL	29 3,792,720		
LOMA LINDA			
LOMA LINDA UNIVERSITY ZIP CODE 92350			
LONGO, LAWRENCE D	PERINATAL BIOLOGY	3T32 HD07215-05S1	9,182
ORGANIZATION TOTAL	1 9,182		
LONG BEACH			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM—CALIFORNIA STATE UNIVERSITY AT LONG BEACH ZIP CODE 90840			
BAUER, ROGER D	MARC UNDERGRADUATE RESEARCH TRAINING PROGRAM	5T34 GM08074-04	111,293
ORGANIZATION TOTAL	1 111,293		
LOS ANGELES			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM—CALIFORNIA STATE UNIVERSITY AT LOS ANGELES ZIP CODE 90032			
GUTIERREZ, CARLOS G	BIOMEDICAL SCIENCES	5T34 GM07646-09	168,149
ORGANIZATION TOTAL	1 168,149		
CEDARS-SINAI MEDICAL CENTER ZIP CODE 90048			
RUBIN, STANLEY A	TRAINING PHYSICIANS AS INVESTIGATORS OF HEART DISEASE	5T32 HL07380-08	142,553
ORGANIZATION TOTAL	1 142,553		
CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL ZIP CODE 90059			
SHACKS, SAMUEL J	BIOMEDICAL SCIENCES	2T34 GM07971-06	104,288
ORGANIZATION TOTAL	1 104,288		
ESTELLE DOHENY EYE FOUNDATION ZIP CODE 90033			
OGDEN, THOMAS E	VISUAL SCIENCE RESEARCH TRAINING PROGRAM	5T32 EY07087-02	130,248
ORGANIZATION TOTAL	1 130,248		
UNIVERSITY OF CALIFORNIA AT LOS ANGELES ZIP CODE 90024			
ARISTIZT, HARLAN C	BASIC AND CLINICAL RESEARCH IN JOINT REPLACEMENTS	5T32 AR07207-08	52,319
BUCKWALD, NATHANIEL A	MENTAL RETARDATION	5T32 HD07032-09	255,327
DETELS, ROGER	UCLA CANCER EPIDEMIOLOGY TRAINING PROGRAM	2T32 CA09142-11A2	73,876
DETELS, ROGER	ENVIRONMENTAL EPIDEMIOLOGY AND STATISTICS	5T32 ES07050-07	7,074
EISENLING, FREDERICK A	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07185-12	354,838
FAHEY, JOHN L	CLINICAL AND FUNDAMENTAL IMMUNOLOGY	5T32 AI07126-10	160,180
FAHEY, JOHN L	TUMOR IMMUNOLOGY	5T32 CA09120-12	341,200
FAIN, GORDON L	VISION RESEARCH	5T32 EY07026-12	135,949
FINE, LEON G	RESEARCH TRAINING IN NEPHROLOGY	2T32 DK07270-06A2	29,484
FOGELMAN, ALAN M	PATHOPHYSIOLOGY OF MYOCARDIAL DISEASE	5T32 HL07412-08	284,171
FOX, C FRED	TUMOR CELL BIOLOGY	5T32 CA09056-12	142,351
FOX, C FRED	PATHOPHYSIOLOGY OF NEOPLASIA	5T35 CA09353-08	101,903
GOLDE, DAVID W	ACADEMIC MEDICAL ONCOLOGY	5T32 CA09297-07	124,329
GOLDE, DAVID W	ACADEMIC TRAINING IN HEMATOLOGY	5T32 DK07285-08	126,330
GORSKI, ROGER A	NEURAL REGULATION OF REPRODUCTION: MODELS OF AGING	1T32 AG00122-01	52,162
GORSKI, ROGER A	NEURAL REGULATION OF REPRODUCTION	2T32 HD07228-06	109,583
GRINNELL, ALAN D	CELLULAR NEUROBIOLOGY	5T32 HS07101-09	115,498
HORRUBIA, VICENTE	DEVELOPMENTAL NEUROLOGY	3T32 HS07058-10S1	14,836
KAPLAN, SOLOMON A	BASIC RESEARCH TRAINING FOR DIABETES OR ENDOCRINOLOGY	5T32 DK07094-12	63,699
KOPELMAN, STANLEY G	MEDICAL SCIENTIST TRAINING PROGRAM	5T32 GM08042-04	144,416
KOPELMAN, STANLEY G	SHORT-TERM RESEARCH TRAINING	5T35 HL07505-07	41,575

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
NORTON, DONALD L	SURGICAL ONCOLOGY	5T32 CA09010-11	155,305
NUERLICH, DONALD P	GENETIC MECHANISMS	5T32 GM07104-12	162,123
SCHUMAKER, VERNE N	ATHEROSCLEROSIS RESEARCH	5T32 HL07306-09	140,643
STEHNI, E RICHARD	TRAINING PROGRAM IN PEDIATRIC ALLERGY/IMMUNOLOGY	5T32 AI07008-09	65,660
TIERNEY, DONALD F	RESPIRATORY DISEASE--BASIC AND CLINICAL RESEARCH	2T32 HL07014-11	131,388
VISSCHER, BARBARA R	NEUROEPIDEMIOLOGY TRAINING GRANT	5T32 NS07145-08	8,252
WALSH, JOHN H	GASTROENTEROLOGY	2T32 DK07186-12	147,419
ORGANIZATION TOTAL 28	3,550,280		
UNIVERSITY OF SOUTHERN CALIFORNIA ZIP CODE 90007			
BENEDICT, WILLIAM F	TRAINING GRANT IN VIRAL AND CHEMICAL CARCINOGENESIS	5T32 CA09320-06	71,333
BENSTSON, VERN L	GERONTOLOGY	5T32 AG00037-10	185,396
BERGMAN, RICHARD N	SYSTEMS PHYSIOLOGY	5T32 GM08017-05	65,527
BIRREN, JAMES E	TRAINING IN HEALTH, BEHAVIOR, AND AGING	5T32 AG00101-04	68,659
FINCH, CALEB E	ENDOCRINOLOGY AND NEUROBIOLOGY OF AGING	5T32 AG00093-05	104,637
NORTON, RICHARD	ENDOCRINE HYPERTENSION AND ENDOCRINOLOGY METABOLISM	5T32 DK07119-13	94,771
JOHNSON, CARL A	CANCER CONTROL RESEARCH TRAINING GRANT	5T32 CA09492-03	229,985
MELNICK, MICHAEL	TRAINING PROGRAM IN CRANIOFACIAL BIOLOGY	2T32 DE07006-11	63,133
VOGT, PETER K	VIROLOGY AND IMMUNOLOGY: MECHANISMS BASIC TO DISEASE	5T32 AI07078-09	109,251
WEINER, LESLIE P	NEUROVIROLOGY AND IMMUNOLOGY	3T32 NS07149-07S1	6,502
WEINER, LESLIE P	NEUROVIROLOGY AND IMMUNOLOGY	5T32 NS07149-08	119,724
YAMASHIRO, STANLEY M	CARDIOPULMONARY BME	2T32 HL07012-12	92,905
ORGANIZATION TOTAL 12	1,211,823		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY ZIP CODE 91125			
BENZER, SEYMOUR	GENETICS	5T32 GM07401-10	42,108
BROKAW, CHARLES J	BIOLOGY AND CHEMISTRY	5T32 GM07616-09	653,291
DAVIDSON, ERIC H	ADVANCED TRAINING IN MOLECULAR BIOLOGY OF DEVELOPMENT	5T32 HD07257-04	100,400
VAN EDEN, DAVID C	BIOLOGY AND ENGINEERING	5T32 GM07737-08	211,422
VAN EDEN, DAVID C	ADVANCED TRAINING IN CELLULAR AND SYSTEMS NEUROBIOLOGY	5T32 NS07251-02	87,465
ORGANIZATION TOTAL 5	1,094,686		
RIVERSIDE			
UNIVERSITY OF CALIFORNIA AT RIVERSIDE ZIP CODE 92521			
HOPMAN, ANTHONY W	CELLULAR AND MOLECULAR ENDOCRINOLOGY	5T32 DK07310-08	113,165
ORGANIZATION TOTAL 1	113,165		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO ZIP CODE 94143			
ALBERTS, BRUCE M	MOLECULAR BIOLOGY OF EUKARYOTIC CELLS AND VIRUSES	2T32 CA09270-11	298,843
ARIMAN, CLAUDE D	DIABETES, ENDOCRINOLOGY & METAPOLISM TRAINING PROGRAM	2T32 DK07418-06	194,227
BENOWITZ, NEAL L	CLINICAL PHARMACOLOGY, DRUG ACTION & PHARMACOKINETICS	5T32 GM07546-10	123,050
BHATNAGAR, RAJENDRA S	UCSF/UCB BIOENGINEERING GRADUATE PROGRAM	5T32 GM08155-02	56,021
BISHOP, J MICHAEL	MOLECULAR ANALYSIS OF TUMOR VIRUSES	5T32 CA09043-12	282,139
BLOIS, MARSDEN S, JR	POSTDOCTORAL TRAINING IN MEDICAL INFORMATION SCIENCE	5T15 LM07047-03	227,882
BROOKS, GEORGE F	STD TRAINING PROGRAM	5T32 AI07234-04	93,349
CLARK, M MARGARET	ANTHROPOLOGICAL GERONTOLOGY	2T32 AG00045-10	107,758
COLERIDGE, JOHN C	TRAINING PROGRAM IN HEART AND VASCULAR DISEASES	5T32 HL07192-10	436,014
COX, DAVID R	MEDICAL SCIENTIST	5T32 GM07618-09	286,502
DAWSON, CHANDLER R	OCULAR INFLAMMATORY DISEASE	5T32 EY07058-08	204,338
DEWEY, WILLIAM C	RADIATION ONCOLOGY RESEARCH TRAINING	5T32 CA09215-08	174,154
FIELDS, HOWARD L	PAIN RESEARCH TRAINING PROGRAM	3T32 NS07265-01S1	5,404
FIELDS, HOWARD L	PAIN RESEARCH TRAINING PROGRAM	5T32 NS07265-02	102,297
GANONG, WILLIAM F	NEURAL REGULATION OF ENDOCRINE FUNCTION	5T32 DK07265-10	93,976
GOLDSTEIN, IRA M	ACADEMIC RHEUMATOLOGY AND CLINICAL IMMUNOLOGY	5T32 AR07304-08	116,472
GRUMBACH, MELVIN M	TRAINING GRANT IN PEDIATRIC ENDOCRINOLOGY	2T32 DK07161-12	119,168

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
HALL, ZACH W	PREDOCTORAL TRAINING IN NEUROBIOLOGY	5T32 GM07449-10	80,297
HALL, ZACH W	POSTDOCTORAL TRAINING GRANT IN NEUROSCIENCES	5T32 NS07067-10	83,344
HERSKOWITZ, IRA	GENETICS OF EUCARYOTIC AND PROCARYOTIC ORGANISMS	5T32 GM07810-07	98,566
HIGGINS, CHARLES B	RESEARCH TRAINING IN CARDIOVASCULAR RADIOLOGY	5T32 HL07570-03	68,497
KAN, YUET W	BASIC RESEARCH IN HEMATOLOGY AND ONCOLOGY	3T32 CA09463-02S1	2,506
KAN, YUET W	BASIC RESEARCH IN HEMATOLOGY AND ONCOLOGY	5T32 CA09463-03	133,803
		NIDDK	72,264
		NCI	61,539
KENYON, GEORGE L	PHARMACEUTICAL CHEMISTRY, PHARMACOLOGY, TOXICOLOGY	5T32 GM07175-10	139,330
KIRSCHNER, MARC W	MOLECULAR AND CELL BIOLOGY	5T32 GM08120-02	66,565
LIEBERMAN, MORTON A	TRAINING PROGRAM IN HUMAN DEVELOPMENT AND AGING	1T32 AG00135-01	50,979
MARGULIS, ALEXANDER R	DIAGNOSTIC ONCOLOGY	3T32 CA09386-05S1	23,148
MORGAN, WILLIAM F	ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS	5T32 ES07106-05	250,706
NADEL, JAY A	MULTIDISCIPLINARY TRAINING PROGRAM IN LUNG DISEASES	5T32 HL07185-10	489,686
NEWBRUN, ERNEST	SHORT-TERM RESEARCH TRAINING	5T35 DE07103-07	13,044
OCKNER, ROBERT K	TRAINING PROGRAM IN DIGESTIVE DISEASES AND NUTRITION	5T32 DK07007-12	222,860
PHIBBS, RODERIC H	PERINATOLOGY	5T32 HD07162-08	85,082
PRUSINER, STANLEY B	DEGENERATIVE NEUROLOGICAL DISEASES	5T32 NS07219-05	83,021
RECTOR, FLOYD C, JR	ACADEMIC NEPHROLOGY AND ELECTROLYTE METABOLISM	2T32 DK07219-12	204,505
RUDOLPH, ABRAHAM M	RESEARCH TRAINING IN CARDIOVASCULAR DEVELOPMENT	5T32 HL07544-04	122,915
SHONET, STEPHEN B	BLOOD BANKING SCIENCES AND RELATED PROGRAMS	5T32 HL07100-12	131,280
SITERI, PENTTI K	INTEGRATED TRAINING IN REPRODUCTIVE ENDOCRINOLOGY	5T32 HD07263-04	69,984
THALER, M MICHAEL	TRAINING PROGRAM IN PEDIATRIC GASTROENTEROLOGY	5T32 DK07179-10	93,415
WILSON, CHARLES B	TRAINING IN BRAIN TUMOR BIOLOGY AND THERAPY	2T32 CA09291-09	59,179
ORGANIZATION TOTAL	39 5,494,304		
UNIVERSITY OF SAN FRANCISCO	**ZIP CODE 94117**		
KAYSER-JONES, VIRGENE S	RESEARCH TRAINING IN GERONTOLOGICAL NURSING	1T32 AG00130-01	38,398
ORGANIZATION TOTAL	1 38,398		
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ	**ZIP CODE 95064**		
ROCHA, VICTOR	MEDICAL AND BIOMEDICAL SCIENCES	5T34 GM07910-07	122,748
ORGANIZATION TOTAL	1 122,748		
SANTA MONICA			
RAND CORPORATION	**ZIP CODE 90406**		
WAITE, LINDA J	RAND POST-DOCTORATE TRAINING PROGRAM	1T32 HD07329-01	58,679
ORGANIZATION TOTAL	1 58,679		
STANFORD			
STANFORD UNIVERSITY	**ZIP CODE 94305**		
BERNFIELD, MERTON R	TRAINING IN NEONATAL BIOLOGY	5T32 HD07249-05	103,514
BLASCHKE, TERRENCE F	CLINICAL PHARMACOLOGY	5T32 GM07065-12	86,577
CLAYTON, DAVID A	MEDICAL SCIENTIST TRAINING PROGRAM	2T32 GM07365-11	791,874
COHEN, STANLEY N	GENETICS	5T32 GM07790-08	138,365
FARQUHAR, JOHN W	CARDIOVASCULAR DISEASE PREVENTION	5T32 HL07034-12	243,580
FRIEDBERG, ERROL C	CANCER ETIOLOGY, PREVENTION, DETECTION, AND DIAGNOSIS	5T32 CA09302-10	496,051
GRAY, GARY M	TRAINING GRANT IN ACADEMIC GASTROENTEROLOGY	5T32 DK07056-13	91,512
HARRISON, DONALD C	INVESTIGATIVE CARDIOLOGY	5T32 HL07265-09	192,345
HOGNESS, DAVID S	BIOCHEMISTRY	5T32 GM07599-09	212,475
JAMISON, REX L	TRAINING PROGRAM IN ACADEMIC NEPHROLOGY	5T32 DK07357-07	34,776
KARASEK, MARVIN A	POSTGRADUATE TRAINING PROGRAM IN CUTANEOUS BIOLOGY	2T32 AR07422-06	8,549
KORN, DAVID	TUMOR BIOLOGY	5T32 CA09151-12	180,143
MANSOUR, TAG E	PHARMACOLOGY	5T32 GM07149-12	185,952
MERIGAN, THOMAS C	INFECTIOUS DISEASES—MICROBES, DRUGS, AND HOST	5T32 AI07089-08	112,855

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
PRINCE, DAVID A	EPILEPSY TRAINING PROGRAM	5T32 NS07280-02	86,387
ROBIN, EUGENE D	PULMONARY SCIENTIST	5T32 HL07316-09	12,740
ROSENBERG, SAUL A	INVESTIGATIVE ONCOLOGY	5T32 CA09267-09	130,827
SCOTT, W RICHARD	COMPLEMENTARY RESEARCH TRAINING PROGRAM	5T32 AG00119-02	111,002
SHOOTER, ERIC M	NERVOUS SYSTEM REGENERATION AND PLASTICITY	5T32 NS07158-06	144,436
SIMONI, ROBERT D	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07276-12	325,600
WEISSMAN, IRVING L	MOLECULAR AND CELLULAR IMMUNOBIOLOGY	5T32 AI07290-02	381,098
WESSELLS, NORMAN K	DEVELOPMENTAL BIOLOGY TRAINING PROGRAM	5T32 HD07244-05	104,581
WIEDLER, LEWIS	CARDIOVASCULAR RADIOLOGY	5T32 HL07425-07	116,253
WIEDERHOLD, GIO C	POSTDOCTORAL TRAINING IN MEDICAL INFORMATION SCIENCES	5T15 LM07033-03	263,719
ORGANIZATION TOTAL	24 4,557,211		
TORRANCE			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT–LOS ANGELES COUNTY HARBOR-UCLA MEDICAL CENTER ZIP CODE 90509			
BRASEL, JO ANNE	NUTRITION AND METABOLISM	3T32 DK07461-03S1	3,234
BRASEL, JO ANNE	NUTRITION AND METABOLISM	5T32 DK07461-04	56,447
FISHER, DELBERT A	PERINATAL BIOLOGY	5T32 HD07013-10	118,603
IMAGAWA, DAVID T	CHILD HEALTH AND DEVELOPMENTAL BIOLOGY	5T32 HD07245-05	157,136
RIMOIN, DAVID L	MEDICAL GENETICS	5T32 GM07414-10	80,805
SWERDLOFF, RONALD S	TRAINING PROGRAM IN ENDOCRINOLOGY AND METABOLISM	3T32 DK07214-08S1	1,014
SWERDLOFF, RONALD S	TRAINING PROGRAM IN ENDOCRINOLOGY AND METABOLISM	5T32 DK07214-09	110,654
WASSERMAN, KARLMAN	BIOLOGICAL BASIS OF RESPIRATORY DISEASE	5T32 HL07388-09	120,217
ORGANIZATION TOTAL	8 648,110		
STATE TOTAL	198 27,101,509		
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO SYSTEM–UNIVERSITY OF COLORADO AT BOULDER ZIP CODE 80309			
GOLD, LAWRENCE M	MOLECULAR BIOLOGY	5T32 GM07135-12	211,436
PLOMIN, ROBERT J	RESEARCH TRAINING–DEVELOPMENTAL BEHAVIORAL GENETICS	5T32 HD07289-02	114,968
RUDY, JERRY W	DEVELOPMENTAL PSYCHOBIOLOGY–LEARNING, MEMORY & HEALTH	5T32 HD07298-02	74,297
ORGANIZATION TOTAL	3 400,701		
DENVER			
NATIONAL JEWISH CENTER FOR IMMUNOLOGY AND RESPIRATORY MEDICINE ZIP CODE 80206			
GREY, HOWARD M	BASIC IMMUNE MECHANISMS AND IMMUNOLOGIC DISEASE	5T32 AI00048-12	130,593
ORGANIZATION TOTAL	1 130,593		
UNIVERSITY OF COLORADO SYSTEM–UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER ZIP CODE 80262			
AREND, WILLIAM P	RESEARCH TRAINING IN RHEUMATOLOGY	1T32 AR07534-01	61,335
BATTAGLIA, FREDERICK C	PERINATAL MEDICINE	5T32 HD07186-08	146,536
BUNN, PAUL A	CANCER RESEARCH	2T32 CA09331-06	95,276
CLAMAN, HENRY N	CELLULAR IMMUNOLOGY	2T32 AI07035-11	133,431
HENDRICK, ROBERT E	MEDICAL PHYSICS	5T32 CA09073-12	95,099
HENDRICK, ROBERT E	POSTDOCTORAL TRAINING IN RADIOLOGY	5T32 CA09359-05	48,617
HORWITZ, LAWRENCE D	CARDIOVASCULAR RESEARCH	5T32 HL07459-07	103,149
MARTIN, A ROBERT	NEUROPHYSIOLOGY	5T32 NS07083-08	121,660
MES, ALAN S	CLINICAL PHARMACOLOGY	5T32 GM07063-12	67,272
NOLTE, JOHN	SHORT-TERM RESEARCH TRAINING	5T35 DK07496-02	43,481
PETTY, THOMAS L	MULTIDISCIPLINARY RESPIRATORY DISEASES RESEARCH TRAINING	5T32 HL07085-12	295,124
RIDGWAY, CHESTER E	TRAINING PROGRAM IN DIABETES, ENDOCRINOLOGY & METABOLISM	5T32 DK07446-05	55,395
SCHRIER, ROBERT W	TRAINING IN RENAL & ELECTROLYTE DISEASE & HYPERTENSION	5T32 DK07135-13	140,555
SIMON, FRANCIS R	GASTROINTESTINAL DISEASE	5T32 DK07038-12	135,920

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
COLORADO—Continued			
SINERSKY, MICHAEL S	SOMATIC CELL AND MOLECULAR GENETICS WORKSHOP	5T14 CA09496-03	48,426
SINERSKY, MICHAEL S	CELL BIOLOGY OF DEVELOPMENTAL ANOMALIES	5T32 HD07197-08	72,124
WEIL, JOHN V	RESPIRATION AND CIRCULATION DURING HYPOXIA	5T32 HL07171-10	127,331
WERNER, NORMAN	PHARMACOLOGY	5T32 GM07635-09	106,364
WESTON, WILLIAM L	TRAINING IN IMMUNODERMATOLOGY	2T32 AR07411-06	64,187
ORGANIZATION TOTAL	19 1,960,282		
FORT COLLINS			
COLORADO STATE UNIVERSITY	**ZIP CODE 80523**		
BEDFORD, JOEL S	RADIATION BIOLOGY BASIC TO TUMOR THERAPY	5T32 CA09236-10	191,648
BENJAMIN, STEPHEN A	TRAINING IN ENVIRONMENTAL PATHOLOGY	5T32 ES07152-03	186,358
NISWENDER, GORDON D	MAMMALIAN REPRODUCTIVE BIOLOGY	5T32 HD07031-10	85,654
NISWENDER, GORDON D	SHORT-TERM TRAINING STUDENTS IN HEALTH SCIENCES	5T35 HD07313-02	26,088
ORGANIZATION TOTAL	4 489,748		
STATE TOTAL	27 2,981,324		
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER	**ZIP CODE 06032**		
KATZ, ARNOLD M	CARDIAC CELL MEMBRANE PHYSIOLOGY	5T32 HL07420-08	40,850
KOLLAR, EDWARD J	ORAL DEVELOPMENT AND FUNCTION--NORMAL AND ABNORMAL	5T32 DE07131-05	190,049
KREUTZER, DONALD L	BASIC IMMUNOLOGY AND IMMUNOLOGIC CELL INJURY	5T32 AI07080-10	91,071
MOREST, D KENT	COMMUNICATIVE DISORDERS--CELLULAR AND NEURAL BIOLOGY	1T32 NS07299-01	104,019
PATTERS, MARK R	PERIODONTAL PATHOBIOLOGY	5T32 DE07090-07	166,680
RAISZ, LAWRENCE G	ENDOCRINOLOGY AND METABOLISM RESEARCH TRAINING PROGRAM	5T32 DK07290-09	82,554
RICKLES, FREDERICK R	HEMATOLOGY RESEARCH TRAINING PROGRAM	5T32 HL07324-09	62,024
ROTHFIELD, NAOMI F	RHEUMATIC DISEASES TRAINING	5T32 AR07475-03	86,940
SETLOW, PETER	MOLECULAR BIOLOGY & BIOCHEMISTRY	5T32 GM07407-08	28,985
TANZER, MARVIN L	BIOLOGY AND CHEMISTRY OF CONNECTIVE TISSUES	5T32 AR07340-08	101,744
WEINSTEIN, SAM	BIOENGINEERING AND ORTHODONTICS	5T32 DE07047-10	117,148
ORGANIZATION TOTAL	11 1,071,393		
NEW HAVEN			
HASKINS LABORATORIES	**ZIP CODE 06511**		
HARRIS, KATHERINE S	CLINICAL RESEARCH TRAINING IN SPEECH DISORDERS	5T32 NS07237-04	57,775
ORGANIZATION TOTAL	1 57,775		
YALE UNIVERSITY	**ZIP CODE 06520**		
BERTINO, JOSEPH R	MEDICAL ONCOLOGY, HEMATOLOGY, AND PHARMACOLOGY	2T32 CA09200-11	154,974
BINDER, HENRY J	TRAINING GRANT IN GASTROENTEROLOGY	5T32 DK07017-10	98,928
BINDER, HENRY J	TRAINING PROGRAM IN CLINICAL INVESTIGATION	5T32 DK07476-03	221,731
		NIDDK	152,561
		NICHD	69,170
BOULPAEP, EMILE L	TRANSPORT PROCESSES IN BIOLOGICAL SYSTEMS	5T32 DK07259-10	112,789
BOYER, JAMES L	INVESTIGATIVE TRAINING IN HEPATOLOGY	5T32 DK07356-08	129,529
BRAVERMAN, IRWIN M	BIOLOGY OF CUTANEOUS AGING	5T32 AG00081-07	76,962
DU BOIS, ARTHUR B	TRAINING IN ENVIRONMENTAL TOXICOLOGY AND PHYSIOLOGY	5T32 ES07086-07	37,607
FISCHER, JAMES J	RESEARCH TRAINING: RADIATION THERAPY, BIOLOGY, PHYSICS	5T32 CA09259-09	167,361
FORGET, BERNARD G	RED BLOOD CELL DISEASES, HEMOSTASIS, AND BLOOD BANKING	5T32 HL07262-10	157,160
FRANCKE, UTA	GENETICS AND MEDICAL SCIENCES	5T32 GM07439-10	163,299
GILLIS, CHARLES N	LUNG PHARMACOLOGY AND PATHOPHYSIOLOGY	5T32 HL07410-07	143,122
GOLDMAN-RAKIC, PATRICIA S	DEVELOPMENT AND PLASTICITY OF CENTRAL NERVOUS SYSTEM	5T32 NS07224-04	81,076

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
CONNECTICUT—Continued			
GORE, JOHN C	NMR IMAGING AND SPECTROSCOPY IN MEDICINE	1T32 CA09549-01	46,857
GROSS, IAN	RESEARCH IN PERINATAL MEDICINE	2T32 HD07094-10	112,174
HAYSLETT, JOHN P	PATHOPHYSIOLOGY OF ACUTE AND CHRONIC RENAL DISEASE	5T32 DK07275-09	134,572
HOLFORD, THEODORE R	CANCER EPIDEMIOLOGY AND BIOSTATISTICS	5T32 CA09275-09	193,106
HUTCHINSON, FRANKLIN	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07223-12	884,534
JANEWAY, CHARLES A, JR	INTERDISCIPLINARY IMMUNOLOGY	2T32 AI07019-11	237,635
LERNER, AARON B	DERMATOLOGY RESEARCH TRAINING PROGRAM	5T32 AR07016-13	112,538
MALAWISTA, STEPHEN E	TRAINING PROGRAM IN INVESTIGATIVE RHEUMATOLOGY	2T32 AR07107-12	32,014
MARCHESI, VINCENT T	EXPERIMENTAL AND HUMAN PATHOBIOLOGY	5T32 GM07562-10	86,405
MILLER, I GEORGE, JR	BASIC RESEARCH TRAINING IN INFECTIOUS DISEASES	2T32 AI07710-06A1	65,259
OSTFELD, ADRIAN M	CARDIOVASCULAR DISEASE MEASUREMENT	5T32 HL07428-08	108,592
PRESCOTT, WILLIAM H	BIOCHEMICAL ASPECTS OF CHEMOTHERAPY	5T32 CA09085-12	172,158
RASMUSSEN, HOWARD	MEDICAL SCIENTIST	5T32 GM07205-12	762,396
RITCHIE, J MURDOCH	NEUROPHARMACOLOGY	5T32 NS07136-08	60,127
ROSENBAUM, JOEL	DEVELOPMENTAL BIOLOGY	5T32 HD07180-08	265,306
RUDDLE, FRANK H	GENETICS	5T32 GM07499-10	309,806
SHERWIN, ROBERT S	DIABETES MELLITUS AND DISORDERS OF METABOLISM	5T32 DK07058-12	122,794
SLAYMAN, CAROLYN W	CONGENITAL DEFECTS: STRUCTURAL, METABOLIC, BEHAVIORAL	5T32 HD07149-09	180,208
SLAYMAN, CLIFFORD L, JR	SYSTEMS AND INTEGRATIVE BIOLOGY	5T32 GM07527-10	141,998
STOLWIJK, JAN A	TRAINING IN ENVIRONMENTAL EPIDEMIOLOGY AND STATISTICS	5T22 ES07085-07	133,186
TALNER, NORMAN S	POSTNATAL DEVELOPMENT OF CARDIOVASCULAR FUNCTION	5T32 HL07272-10	119,020
TSIEN, RICHARD W	MOLECULAR AND CELLULAR NEUROBIOLOGY	5T32 NS07102-10	76,769
WEISSMAN, SHERMAN M	MOLECULAR AND ONCOLOGIC VIROLOGY	5T37 CA09159-12	152,048
ORGANIZATION TOTAL	35 6,054,440		
STATE TOTAL	47 7,183,508		
DIST OF COL			
WASHINGTON			
GEORGETOWN UNIVERSITY	**ZIP CODE 20057**		
LILIENFIELD, LAWRENCE S	VASCULAR CONTROL AND HYPERTENSION	5T32 HL07213-10	53,654
MC GEE, RICHARD, JR	NEUROPHARMACOLOGY	5T32 GM07443-10	104,471
MC GEE, RICHARD, JR	HEALTH PROFESSIONAL TRAINING	5T35 GM08134-02	15,218
ORGANIZATION TOTAL	3 173,343		
HOWARD UNIVERSITY	**ZIP CODE 20059**		
FREDERICK, LAFAYETTE	INTERDISCIPLINARY SCIENCES	5T34 GM07763-07	113,266
MCOLENAAR, GWEN-MARIE	PHYSIOLOGY	5T32 GM07800-08	105,151
OTELIO S RANDALL, M D	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07302-10	26,007
ORGANIZATION TOTAL	3 244,424		
UNIVERSITY OF THE DISTRICT OF COLUMBIA	**ZIP CODE 20008**		
NONDO, NORMAN S	BIOMEDICAL SCIENCES	5T34 GM07677-07	68,745
ORGANIZATION TOTAL	1 68,745		
STATE TOTAL	7 486,512		
FLORIDA			
CORAL GABLES			
UNIVERSITY OF MIAMI	**ZIP CODE 33124**		
SCHNEIDERMAN, NEIL	BEHAVIORAL MEDICINE RESEARCH IN CARDIOVASCULAR DISEASE	5T32 HL07426-02	170,378
ORGANIZATION TOTAL	1 170,978		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
FLORIDA—Continued			
DAYTONA BEACH			
BETHUNE-COOKMAN COLLEGE ZIP CODE 32015			
SEN, SHUKDEB	GENERAL MEDICINE AND BIOLOGICAL SCIENCES	5T34 GM07721-07	106,843
ORGANIZATION TOTAL 1 106,843			
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA–UNIVERSITY OF FLORIDA ZIP CODE 32611			
FLANEGAN, JAMES B	BASIC MICROBIOLOGY AND INFECTIOUS DISEASES	5T32 AI07110-09	129,390
FREGLY, MELVIN J	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07298-10	22,415
MC ARTHUR, WILLIAM P	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 DE07147-02	13,044
MELAMED, BARBARA G	BEHAVIORAL RESEARCH TRAINING IN DENTISTRY	5T32 DE07133-05	85,531
MORELAND, ALVIN F	LABORATORY ANIMAL COMPARATIVE MEDICINE	5T32 RR07001-10	81,938
REBIS, ALLEN N	SHORT-TERM RESEARCH TRAINING	5T35 HL07489-07	45,282
SMITH, RICHARD T	CELL BIOLOGY AND IMMUNOBIOLOGY OF CANCER	5T32 CA09126-12	103,563
TISHER, C CRAIG	POST-DOCTORAL TRAINING IN NEPHROLOGY AND HYPERTENSION	5T32 DK07518-02	68,340
TOSKES, PHILLIP P	RESEARCH TRAINING PROGRAM IN GASTROENTEROLOGY	5T32 DK07455-04	62,620
ORGANIZATION TOTAL 9 612,123			
MIAMI			
BARRY UNIVERSITY ZIP CODE 33161			
FREI, JOHN K, SR	HONORS BIOMEDICAL RESEARCH TRAINING PROGRAM	5T34 GM08021-04	145,232
ORGANIZATION TOTAL 1 145,232			
UNIVERSITY OF MIAMI ZIP CODE 33101			
ANDERSON, DOUGLAS R	OPHTHALMOLOGY–SPECIALITY	2T32 EY07021-11	79,315
BASSETT, ARTHUR L	CARDIOVASCULAR PHARMACOLOGY	2T32 HL07128-11	201,110
GELBAND, HENRY	CARDIAC ELECTROPHYSIOLOGY	5T32 HL07436-08	130,405
MASSARO, DONALD J	LUNG BIOLOGY	5T32 HL07283-09	94,373
MINTZ, DANIEL H	DIABETES, METABOLISM, AND ENDOCRINOLOGY	5T32 DK07346-07	21,382
NORNER, WOLFGANG F	DEVELOPMENTAL NEUROSCIENCES	5T32 NS07044-12	114,227
PUETT, J DAVID	CELLULAR AND MOLECULAR REPRODUCTIVE BIOLOGY	5T32 HD07129-08	66,670
STARRER, ADAM	TRAINING GRANT IN PULMONARY DISEASE	5T32 HL07578-03	15,680
YUNIS, ADEL A	GRADUATE TRAINING PROGRAM IN HEMATOLOGY	5T32 DK07114-13	55,454
ORGANIZATION TOTAL 9 778,616			
TALLAHASSEE			
STATE UNIVERSITY SYSTEM OF FLORIDA–FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY ZIP CODE 32307			
TURNER, RALPH W	FAMU-MARC HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	1T34 GM08159-01	134,476
ORGANIZATION TOTAL 1 134,476			
STATE UNIVERSITY SYSTEM OF FLORIDA–FLORIDA STATE UNIVERSITY ZIP CODE 32306			
SLY, DAVID F	DEMOGRAPHY OF AGING	5T32 AG00116-02	56,217
ORGANIZATION TOTAL 1 56,217			
STATE TOTAL 23 2,004,495			
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA–UNIVERSITY OF GEORGIA ZIP CODE 30602			
KUSHNER, SIDNEY R	GENETICS	5T32 GM07103-12	108,447
ORGANIZATION TOTAL 1 108,447			

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
GEORGIA—Continued			
ATLANTA			
ATLANTA UNIVERSITY ZIP CODE 30314			
HAMILTON, FRANKLIN D.	BIOMEDICAL SCIENCES	5T32 GM07808-08	198,832
ORGANIZATION TOTAL	1 198,832		
ATLANTA UNIVERSITY CENTER ZIP CODE 30310			
FINKELSTEIN, ISABELLA R.	BIOMEDICAL SCIENCES	5T34 GM07666-10	326,174
ORGANIZATION TOTAL	1 326,174		
EMORY UNIVERSITY ZIP CODE 30322			
ARNOLD, ROLAND R.	SHORT-TERM RESEARCH TRAINING	5T35 DE07110-07	13,044
KAPLAN, HENRY J.	MULTIDISCIPLINARY TRAINING IN VISION AND RESEARCH	5T32 EY07092-03	204,999
MANNING, JOHN W.	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07305-09	36,735
PHILLIPS, LAWRENCE S.	ENDOCRINOLOGY, METABOLISM, AND DIABETES	3T32 DK07256-06A2S1	4,316
PHILLIPS, LAWRENCE S.	ENDOCRINOLOGY, METABOLISM, AND DIABETES	5T32 DK07256-07	53,848
SPITZNAGEL, JOHN K.	RESEARCH AND TRAINING IN INFECTION AND IMMUNITY	5T32 AI07265-03	96,479
ORGANIZATION TOTAL	6 409,321		
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA—MEDICAL COLLEGE OF GEORGIA ZIP CODE 30912			
DIRKSEN, THOMAS R.	SHORT-TERM TRAINING IN HEALTH PROFESSIONAL SCHOOLS	5T35 DE07143-04	21,660
MAHESH, VIRENDRA B.	ENDOCRINE AND POPULATION ASPECTS OF REPRODUCTIVE BIOLOGY	5T32 HD07253-05	29,755
ORGANIZATION TOTAL	2 51,415		
SAVANNAH			
UNIVERSITY SYSTEM OF GEORGIA—SAVANNAH STATE COLLEGE ZIP CODE 31404			
SINGH, HARPAL	BIOMEDICAL RESEARCH TRAINING FOR HONOR UNDERGRADUATES	5T34 GM07645-07	115,157
ORGANIZATION TOTAL	1 115,157		
STATE TOTAL	12 1,209,346		
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM—UNIVERSITY OF HAWAII AT MANOA ZIP CODE 96822			
GREENWOOD, FREDERICK C.	HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM MARC	5T34 GM07684-08	119,317
ORGANIZATION TOTAL	1 119,317		
STATE TOTAL	1 119,317		
ILLINOIS			
CHAMPAIGN			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN ZIP CODE 61820			
DUCOFF, HOWARD S.	RADIATION BIOPHYSICS AND BIOENGINEERING IN ONCOLOGY	5T32 CA09067-12	107,250
HAGER, LOWELL P.	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07283-12	278,205
JACKSON, GARY L.	REPRODUCTIVE BIOLOGY	5T32 HD07026-10	66,947
MILNER, JOHN A.	PRE AND POST-DOCTORAL TRAINING IN NUTRITIONAL SCIENCES	5T32 DK07497-02	110,247
PAIRE, ROSS D.	BASIC AND APPLIED CHILD DEVELOPMENT	5T32 HD07205-07	162,963
ORGANIZATION TOTAL	5 725,642		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
ILLINOIS—Continued			
CHICAGO			
NORTHWESTERN UNIVERSITY	**ZIP CODE 60611**		
ATKINSON, ARTHUR J, JR	CLINICAL PHARMACOLOGY	5T32 GM07827-07	55,538
DYER, ALAN R	CARDIOVASCULAR EPIDEMIOLOGY, BIOSTATISTICS, NUTRITION	5T32 HL07113-12	66,916
GILMAN, SID	BASIC AND CLINICAL NEUROSCIENCES	5T32 NS07222-05	135,013
GREENER, EVAN H	DENTAL MATERIALS SCIENCE	2T32 DE07042-11	99,271
HOUK, JAMES C	NEURAL CONTROL OF PHYSIOLOGICAL SYSTEMS	5T32 NS07243-04	138,153
NARAHASHI, TOSHIO	ENVIRONMENTAL TOXICOLOGY AND PATHOLOGY	5T32 ES07124-05	108,562
NARAHASHI, TOSHIO	TRAINING IN CELLULAR AND MOLECULAR NEUROSCIENCE	5T32 NS07140-04	83,936
PATTERSON, ROY	INSTITUTIONAL RESEARCH FELLOWSHIP AWARD	5T32 AI07075-09	82,633
SCARPELLI, DANTE G	CARCINOGENESIS TRAINING PROGRAM	1T32 CA09560-01	71,289
ORGANIZATION TOTAL	9 841,311		
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER	**ZIP CODE 60612**		
LARZL, LAWRENCE H	CANCER RESEARCH IN MEDICAL RADIATION PHYSICS	5T32 CA09435-05	66,956
ORGANIZATION TOTAL	1 66,956		
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER–RUSH UNIVERSITY	**ZIP CODE 60612**		
EISENBERG, ROBERT S	PRE-AND POSTDOCTORAL TRAINING IN BIOPHYSICS	5T32 HL07320-09	113,900
GALANTE, JORGE O	TRAINING IN ORTHOPEDIC BIOMEDICAL SCIENCE	5T32 AR07375-07	87,615
ORGANIZATION TOTAL	2 201,515		
UNIVERSITY OF CHICAGO	**ZIP CODE 60637**		
ARNASON, BARRY G	IMMUNOLOGY OF NERVOUS SYSTEM DISEASES	5T32 NS07113-10	181,452
COE, FREDRIC L	NEPHROLOGY RESEARCH TRAINING	1T32 DK07510-01A1	60,080
EPSTEIN, WOLFGANG	GENETICS AND REGULATION	5T32 GM07197-12	291,001
EPSTEIN, WOLFGANG	MEDICAL SCIENTIST	5T32 GM07281-12	838,484
EPSTEIN, WOLFGANG	HUMAN AND BIOCHEMICAL GENETICS	5T32 GM07543-10	74,590
FOZZARD, HARRY A	MULTIDISCIPLINARY CARDIAC SCIENCES	5T32 HL07381-09	415,126
GOLDBERG, JAY M	NEURAL SYSTEMS	5T32 GM07839-07	89,613
GOLDBERG, JAY M	TRAINING IN NEUROBIOLOGY	5T32 NS07195-05	58,295
GOLDBERG, LEON I	CLINICAL THERAPEUTICS	5T32 GM07019-12	125,114
GOLDWASSER, EUGENE	DEVELOPMENTAL BIOLOGY	5T32 HD07136-09	189,779
HELLER, ALFRED	PHARMACOLOGICAL SCIENCES	5T32 GM07151-12	243,538
JARABAK, JOSEPH W	INTEGRATED CLINICAL AND BASIC ENDOCRINOLOGY RESEARCH	5T32 DK07011-13	157,907
KIEFF, ELLIOTT D	INFECTIOUS DISEASES	5T32 AI07099-10	191,322
KING, DONALD W	SHORT-TERM TRAINING	5T35 GM08140-02	60,873
MICHAEL, ROBERT T	INTERDISCIPLINARY TRAINING IN DEMOGRAPHY	1T32 HD07302-01A1	144,293
POKORNY, JOEL M	ASSESSMENT OF COLOR VISION IN NORMAL/DISEASED EYES	3T32 EY07010-09S1	9,733
POKORNY, JOEL M	ASSESSMENT OF COLOR VISION IN NORMAL/DISEASED EYES	5T32 EY07010-10	24,726
QUINTANS, JOSE	INTERDISCIPLINARY TRAINING PROGRAM IN IMMUNOLOGY	5T32 AI07090-08	50,668
ROIZMAN, BERNARD	VIRAL ONCOLOGY	5T32 CA09241-08	174,476
ROSENBERG, IRWIN H	RESEARCH TRAINING IN DIGESTIVE DISEASES AND NUTRITION	5T32 DK07074-13	161,705
SCHWARTZ, NANCY B	GROWTH AND DEVELOPMENT	5T32 HD07009-12	250,983
SPEAR, PATRICIA G	INTERDEPARTMENTAL TRAINING PROGRAM IN VIROLOGY	5T32 AI07182-08	164,739
STRAUSS, BERNARD S	ENVIRONMENTAL BIOLOGY	5T32 CA09273-09	83,753
TAYLOR, EDWIN W	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07183-12	586,714
TRABASSO, THOMAS R	TRAINING PROGRAM IN CHILD DEVELOPMENT	5T32 HD07307-02	85,218
WIED, GEORGE L	CYTOPATHOLOGY TRAINING FOR PATHOLOGY RESIDENTS	5T14 CA09532-02	55,000
WISSLER, ROBERT W	CARDIOVASCULAR PATHOPHYSIOLOGY AND BIOCHEMISTRY	2T32 HL07237-11	300,166
WOOD, LAWRENCE D	PULMONARY AND CRITICAL CARE MEDICINE RESEARCH TRAINING	5T32 HL07605-02	143,374
ORGANIZATION TOTAL	28 5,212,720		
UNIVERSITY OF ILLINOIS AT CHICAGO	**ZIP CODE 60612**		
DAS GUPTA, TAPAS K	SURGICAL ONCOLOGY	5T32 CA09432-05	119,541
EISENMANN, DALE R	SHORT-TERM RESEARCH TRAINING	5T35 DE07114-07	15,904
GOLDBERG, MORTON F	OPHTHALMOLOGY	5T32 EY07038-09	178,375
ORGANIZATION TOTAL	3 313,820		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
ILLINOIS—Continued			
EVANSTON			
NORTHWESTERN UNIVERSITY ZIP CODE 60201			
ENGEL, JAMES D	CELLULAR AND MOLECULAR BIOLOGY TRAINING PROGRAM	5T32 GM08061-04	123,462
FARBMAN, ALBERT I	SENSORY PHYSIOLOGY AND PSYCHOPHYSICS	5T32 NS07223-05	50,582
NEUGARTEN, BERNICE L	RESEARCH TRAINING IN AGING AND SOCIAL POLICY	1T32 AG00126-01	57,351
SCHWARTZ, NEENA B	REPRODUCTIVE BIOLOGY	5T32 HD07068-09	119,003
ORGANIZATION TOTAL	4 350,398		
STATE TOTAL	52 7,712,362		
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY AT BLOOMINGTON ZIP CODE 47405			
BLUMENTHAL, THOMAS	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07227-12	101,961
KAUFMAN, THOMAS C	GENETICS	5T32 GM07757-08	122,396
PISONI, DAVID B	SENSORY PHYSIOLOGY AND BIOPHYSICS	5T32 NS07134-08	83,279
ORGANIZATION TOTAL	3 307,636		
INDIANAPOLIS			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS ZIP CODE 46202			
BIXLER, DAVID	ORAL-FACIAL GENETICS	5T32 DE07043-10	101,255
BRANDT, KENNETH D	TRAINING PROGRAM FOR RESEARCH IN RHEUMATIC DISEASES	5T32 AR07448-04	58,563
BROXMEYER, HAL E	REGULATION OF BLOOD CELL PROLIFERATION-DIFFERENTIATION	5T32 DK07519-02	58,860
RHOADES, RODNEY A	SHORT-TERM RESEARCH TRAINING	5T35 HL07584-02	65,721
RHOADES, RODNEY A	VASCULAR BIOLOGY DURING HEALTH AND DISEASE	5T32 HL07585-02	82,367
STOOKEY, GEORGE K	SHORT-TERM RESEARCH TRAINING	2T35 DE07125-06	13,044
ORGANIZATION TOTAL	6 379,310		
NOTRE DAME			
UNIVERSITY OF NOTRE DAME ZIP CODE 46556			
BORKOWSKI, JOHN G	MENTAL RETARDATION	5T32 HD07184-08	71,107
ORGANIZATION TOTAL	1 71,107		
WEST LAFAYETTE			
PURDUE UNIVERSITY WEST LAFAYETTE ZIP CODE 47907			
GILHAM, PETER T	MOLECULAR MECHANISMS OF CELL FUNCTIONS	5T32 GM07211-12	109,064
OSTROY, SANFORD E	VISUAL PHYSIOLOGY AND CHEMISTRY	5T32 EY07008-12	192,830
ORGANIZATION TOTAL	2 301,894		
STATE TOTAL	12 1,059,947		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA ZIP CODE 52242			
ABBOUD, FRANCOIS M	INTERDISCIPLINARY CARDIOVASCULAR RESEARCH	5T32 HL07121-12	451,897
ASHMAN, ROBERT F	INTERDISCIPLINARY IMMUNOLOGY TRAINING PROGRAM	5T32 AI07260-02	131,393
BAR, ROBERT S	TRAINING PROGRAM IN DIABETES AND ENDOCRINOLOGY	5T32 DK07018-13	95,018
FELLOWS, ROBERT E, JR	MEDICAL SCIENTIST TRAINING PROGRAM	5T32 GM07337-10	224,899

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
IOWA—Continued			
FOMON, SAMUEL J	PEDIATRIC NUTRITION AND NEONATOLOGY	5T32 HD07287-02	81,803
GEIBART, GERALD F	PHARMACOLOGICAL SCIENCES	5T32 GM07069-12	114,741
GETTING, PETER A	CELLULAR NEUROPHYSIOLOGY TRAINING PROGRAM	5T32 NS07247-02	71,020
GINDER, GORDON D	HEMOSTASIS AND THROMBOSIS	5T32 HL07344-09	174,988
GUSSIN, GARY N	GENETICS	5T32 GM07091-12	90,295
HART, MICHAEL N	BASIC NEUROPATHOLOGY	1T32 NS07294-01	59,193
HUMPHRIDAKE, GARY W	INTERDISCIPLINARY PULMONARY TRAINING PROGRAM	1T32 HL07038-01	99,529
LAUER, RONALD M	PEDIATRIC CARDIOLOGY	5T32 HL07413-09	153,703
LYNCH, RICHARD G	MOLECULAR BIOLOGY OF TUMOR CELLS	5T32 CA09119-12	121,861
MARCUS, MELVIN L	SHORT-TERM RESEARCH TRAINING	5T35 HL07485-07	69,569
MEININGER, JOHN R	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07228-12	77,112
OSBORNE, JAMES W	BIOMEDICAL RADIOLOGY	5T32 CA09125-12	103,647
ROBERTS, ROBERT J	CLINICAL PHARMACOLOGY AND TOXICOLOGY	5T32 GM07442-10	49,804
SOLURSH, MICHAEL	BIOLOGY OF DEVELOPING SYSTEMS	5T32 HD07216-05	44,439
WEFEL, JAMES S	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 DE07159-02	13,044
ORGANIZATION TOTAL	19 2,227,955		
STATE TOTAL	19 2,227,955		
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS COLLEGE OF HEALTH SCIENCES AND HOSPITAL	ZIP CODE 66103		
KLAASSEN, CURTIS D	ENVIRONMENTAL TOXICOLOGY	5T32 ES07079-08	184,295
ORGANIZATION TOTAL	1 184,295		
LAWRENCE			
UNIVERSITY OF KANSAS LAWRENCE	ZIP CODE 66045		
BORCHARDT, RONALD T	CLINICAL DRUG ANALYSIS OF ANTI-CANCER AGENTS	5T32 CA09242-10	182,132
HOROWITZ, FRANCES D	DEVELOPMENTAL AND CHILD PSYCHOLOGY	5T32 HD07173-08	180,364
IMTSCHER, LESTER A	MEDICINAL CHEMISTRY AND PHARMACOLOGY	5T32 GM07775-07	51,401
SCHIEFELBUSCH, RICHARD L	A TRAINING PROGRAM FOR CHILD LANGUAGE RESEARCHERS	5T32 HD07255-04	90,327
SCHIJELBUSCH, RICHARD L	TRAINING SPEECH AND LANGUAGE RESEARCHERS	5T32 NS07257-02	63,444
ORGANIZATION TOTAL	5 567,668		
MANHATTAN			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE	ZIP CODE 66506		
CONSIGLI, RICHARD A	VIROLOGY AND TUMOR BIOLOGY	2T32 CA09418-06	45,074
ORGANIZATION TOTAL	1 45,074		
STATE TOTAL	7 797,037		
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY	ZIP CODE 40506		
DIANA, JOHN N	TRAINING IN MICROVASCULAR RESEARCH	5T32 HL07632-02	50,503
GARRITY, THOMAS F	BEHAVIORAL SCIENCE RESEARCH TRAINING IN AGING	1T32 AG00145-01	27,544
KAPLAN, ALAN M	RESEARCH TRAINING IN CANCER ETIOLOGY AND TREATMENT	5T32 CA09509-02	75,109
KOTCHEN, THEODORE A	MINORITY HYPERTENSION RESEARCH SUMMER PROGRAM	5T35 HL07390-08	11,106
THOMPSON, JOHN S	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 AG00099-04	10,087
ORGANIZATION TOTAL	5 174,349		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
KENTUCKY—Continued			
LOUISVILLE			
UNIVERSITY OF LOUISVILLE ZIP CODE 40208			
GREEN, DANIEL B	SHORT TERM TRAINING–STUDENTS IN HEALTH PROFESSIONS	7T35 DE07171-01	17,392
ORGANIZATION TOTAL	1 17,292		
STATE TOTAL	6 191,741		
LOUISIANA			
BATON ROUGE			
SOUTHERN UNIVERSITY AGRICULTURAL AND MECHANICAL COLLEGE BATON ROUGE ZIP CODE 70813			
CHRISTIAN, FREDERICK A	MARC HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	5T34 GM08072-04	66,470
ORGANIZATION TOTAL	1 66,470		
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS ZIP CODE 70112			
BERLIN, CHARLES I	AUDITORY PHYSIOLOGY AND ANATOMY	2T32 RS07058-09A1	108,551
COHEN, JAMES C	BIOLOGY AND BIOCHEMISTRY OF NEOPLASTIC TRANSFORMATION	5T32 CA09482-03	106,712
ELSTON, ROBERT C	BIOMETRIC GENETIC ANALYSIS OF CARDIOVASCULAR DISEASE	5T32 HL07567-03	97,564
SPITZER, JOHN J	CARDIOVASCULAR DYNAMICS AND METABOLISM	5T32 HL07098-12	139,778
ORGANIZATION TOTAL	4 452,605		
TULANE UNIVERSITY OF LOUISIANA ZIP CODE 70118			
DORER, JUDITH E	MYCOTIC DISEASES AND BASIC MECHANISMS	5T32 AI07152-09	44,853
EPPS, ANNA C	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07299-10	83,595
FISHER, JAMES W	PHARMACOLOGICAL SCIENCES	5T32 GM07177-12	88,348
KADOWITZ, PHILIP J	SHORT-TERM RESEARCH TRAINING	5T35 HL07540-05	17,180
ROBERTS, JAMES F	TRAINING IN UROLOGIC RESEARCH	2T32 DK07212-10	29,085
SALVAGGIO, JOHN E	FIBROTIC AND IMMUNOLOGIC PULMONARY DISEASE	5T32 HL07376-09	174,839
ORGANIZATION TOTAL	6 437,900		
XAVIER UNIVERSITY OF LOUISIANA ZIP CODE 70125			
MALINSTROM, SISTER MARY C	BIOMEDICAL SCIENCES	5T34 GM07716-08	180,917
ORGANIZATION TOTAL	1 180,917		
STATE TOTAL	12 1,137,892		
MAINE			
BAR HARBOR			
JACKSON LABORATORY ZIP CODE 04609			
HARRISON, DAVID E	EXPERIMENTAL HEMATOLOGY	5T32 DK07449-05	89,496
KAMDUTSCH, ANDREW A	GENE REGULATION IN NORMAL AND MALIGNANT CELLS	5T32 CA09217-07	53,169
NOZAK, LESLIE P	REPRODUCTIVE BIOLOGY	5T32 HD07065-09	76,671
RODERICK, THOMAS H	COURSE IN MEDICAL AND EXPERIMENTAL MAMMALIAN GENETICS	5T15 HD07306-02	62,993
		NICHD	32,583
		NIDDK	5,400
		NCI	5,000
		NIEHS	5,000
		NHLBI	5,000
		NINCS	5,000
		NIDR	3,000

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director		General area of training	Grant number	Dollars
MAINE—Continued				
			NIGMS	2,000
ORGANIZATION TOTAL	4	282,329		
STATE TOTAL	4	282,329		
MARYLAND				
BALTIMORE				
JOHNS HOPKINS UNIVERSITY		**ZIP CODE 21218**		
AUGUST, J THOMAS		PHARMACOLOGY	5T32 GM07626-09	101,265
BARTLETT, JOHN G		RESEARCH IN MICROBIAL DISEASE	1T32 AI07291-01A1	124,665
ENGLUND, PAUL T		BIOCHEMISTRY, CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07445-10	364,511
EWING, LARRY L		MULTIDISCIPLINARY TRAINING IN MALE REPRODUCTION	5T32 HD07276-02	92,688
GOLDBERG, ANDREW P		RESEARCH TRAINING IN GERONTOLOGY AND GERIATRICS	1T32 AG00120-01	135,513
GORDIS, LEON		CANCER EPIDEMIOLOGY	5T32 CA09314-07	207,937
GORDIS, LEON		CARDIOVASCULAR EPIDEMIOLOGY	5T32 HL07024-12	214,134
GREEN, GARETH M		TRAINING PROGRAM IN ENVIRONMENTAL HEALTH SCIENCES	5T32 ES07141-04	632,996
HENDRIX, THOMAS R		RESEARCH TRAINING PROGRAM IN DIGESTIVE DISEASES	5T32 DK07192-11	91,213
HUANG, RU-CHIH C		AGE DEPENDENT NUCLEO CYTOPLASMIC INTERACTION	5T32 AG00069-06	93,447
ISHIZAKA, KIMISHIGE		CELLULAR & MOLECULAR MECH OF INFLAMMATORY REACTIONS	5T32 AI07247-05	325,974
JOHNSON, RICHARD T		NEUROVIROLOGY AND IMMUNOLOGY	5T32 NS07000-12	37,108
KELLY, THOMAS J, JR		MOLECULAR GENETICS OF TUMOR VIRUSES AND CELLS	5T32 CA09139-12	191,791
LEVINE, DAVID M		BEHAVIORAL RESEARCH IN HEART AND VASCULAR DISEASE	2T32 HL07180-11	280,759
MARKS, RICHARD E		BEHAVIORAL AND NEURAL SCIENCE	1T32 AG00146-01	42,103
MARGOLIS, SIMEON		ENDOCRINE, DIABETES, AND METABOLISM TRAINING PROGRAM	5T32 DK07109-11	57,892
MCKUSICK, VICTOR A		MEDICAL GENETICS	5T32 GM07471-10	133,218
MEIKES, HAROLD A		MULTIDISCIPLINARY TRAINING PROGRAM IN LUNG DISEASES	5T32 HL07534-05	430,479
MIGEON, CLAUDE J		PEDIATRIC ENDOCRINOLOGY AND METABOLISM	2T32 DK07116-12A1	60,968
NORMAN, PHILLIP S		BASIC AND CLINICAL IMMUNOLOGY	2T32 AI07056-11	156,394
OWENS, ALBERT H, JR		ONCOLOGY: CHEMOTHERAPY, IMMUNOLOGY, BIOLOGY	5T32 CA09071-07	240,151
PEARSON, THOMAS A		RESEARCH TRAINING IN PREVENTIVE CARDIOLOGY	1T32 HL07642-01	78,116
POWERS, DENNIS A		CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07231-12	577,931
POWERS, DENNIS A		DEVELOPMENTAL BIOLOGY: A MOLECULAR APPROACH	5T32 HD07103-09	120,233
PRICE, DONALD L		EXPERIMENTAL NEUROPATHOLOGY	5T32 NS07179-07	168,362
PROVOST, THOMAS T		DERMATOLOGICAL RESEARCH TRAINING	3T32 AR07324-07S1	1,033
PROVOST, THOMAS T		DERMATOLOGICAL RESEARCH TRAINING	5T32 AR07324-08	122,264
QUIGLEY, HARRY A		VISUAL SCIENCES--MULTIDISCIPLINARY	5T32 EY07047-08	173,595
ROBINSON, CECIL H		ANTICANCER DRUG DEVELOPMENT	5T32 CA09243-09	276,758
SACKS, MURRAY B		AUDITORY AND SOMATOSENSORY PHYSIOLOGY	5T32 NS07283-02	63,558
SCHRAMM, LAWRENCE P		BIOMEDICAL ENGINEERING	5T32 GM07057-12	186,050
SHOUKAS, ARTIN A		CARDIOVASCULAR REGULATION	5T32 HL07581-02	57,358
SMITH, HAMILTON O		MEDICAL SCIENTIST TRAINING PROGRAM	5T32 GM07309-12	881,455
SPIVAK, JERRY L		HEMATOLOGY	5T32 HL07525-05	118,170
STRANDBERG, JOHN D		LABORATORY ANIMAL MEDICINE AND PATHOLOGY	5T32 RR07002-10	219,983
			DRR	151,161
			NIA	68,822
TSO, PAUL O		MOLECULAR AND CELLULAR CHEMICAL CARCINOGENESIS	2T32 CA09110-11	168,450
WAGNER, HENRY N, JR		ONCOLOGY--TRACER PRINCIPLES	5T32 CA09199-09	437,690
WEISFELDT, MYRON L		PATHOPHYSIOLOGY OF MYOCARDIAL DISEASES	2T32 HL07227-11	281,935
WHELTON, PAUL K		SHORT-TERM RESEARCH TRAINING	5T35 HL07606-07	43,481
ORGANIZATION TOTAL	39	7,991,628		
MORGAN STATE UNIVERSITY		**ZIP CODE 21239**		
PAYTON, CECIL W		UNDERGRADUATE RESEARCH TRAINING PROGRAM	5T34 GM07977-05	104,800
ORGANIZATION TOTAL	1	104,800		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MARYLAND—Continued			
UNIVERSITY OF MARYLAND SYSTEM–UNIVERSITY OF MARYLAND AT BALTIMORE ZIP CODE 21201			
BARRACLOUGH, CHARLES A	REPRODUCTIVE BIOLOGY	5T32 HD07170-08	103,528
WARWICK, JORDAN E	SHORT TERM RESEARCH TRAINING	1T35 HL07612-01	35,105
ORGANIZATION TOTAL 2	138,633		
BETHESDA			
AMERICAN SOCIETY FOR CELL BIOLOGY ZIP CODE 20814			
ANDERSON, WINSTON A	CONFERENCE FELLOWSHIPS FOR CELL BIOLOGISTS	5T36 GM08184-02	25,000
		NIGMS	7,507
		NCI	5,000
		NIEHS	4,000
		NIDDK	3,000
		NHLBI	3,000
		NICHD	2,500
ORGANIZATION TOTAL 1	25,000		
FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY ZIP CODE 20814			
KRAUSS, ROBERT W	VISITING SCIENTISTS FOR MINORITY INSTITUTIONS	5T36 GM08059-05	84,676
ORGANIZATION TOTAL 1	84,676		
STATE TOTAL 44	8,344,737		
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS AT AMHERST ZIP CODE 01003			
HOMBERG, BRONISLAW M	EXPERIMENTAL PARASITOLOGY	5T32 AI07109-10	80,666
ORGANIZATION TOTAL 1	80,666		
BOSTON			
BETH [illegible] HOSPITAL ZIP CODE 02215			
EPSTEIN, FRANKLIN H	RESEARCH TRAINING IN NEPHROLOGY	3T32 DK07199-0851	9,681
EPSTEIN, FRANKLIN H	RESEARCH TRAINING IN NEPHROLOGY	5T32 DK07199-10	89,100
GOYAL, RAJ K	MULTIDISCIPLINARY RESEARCH TRAINING IN DIGESTIVE DISEASE	1T32 DK07524-01	88,452
INGBAR, SIDNEY H	INTEGRATED ENDOCRINE AND METABOLIC RESEARCH TRAINING	5T32 DK07516-02	58,385
ROBINSON, STEPHEN H	HEMATOLOGY	2T32 HL07516-12	128,541
SILEN, WILLIAM	TRAUMA AND BURNS	5T32 GM07806-07	131,611
ORGANIZATION TOTAL 6	505,770		
BOSTON BIOMEDICAL RESEARCH INSTITUTE ZIP CODE 02114			
GERGELY, JOHN	ENERGY METABOLISM OF CARDIAC AND SKELETAL MUSCLE	5T32 HL07266-10	74,661
ORGANIZATION TOTAL 1	74,661		
BOSTON UNIVERSITY ZIP CODE 02215			
ALBERT, MARTIN L	TRAINING IN ADULT COMMUNICATIVE DISORDERS	5T32 HS07239-04	94,304
BRECHER, PETER I	CARDIOVASCULAR BIOCHEMISTRY	5T32 HL07429-08	111,055
BRODY, JEROME S	BIOLOGY OF THE LUNG: A MULTIDISCIPLINARY PROGRAM	5T32 HL07035-12	430,473
CHOBANIAN, ARAM V	BASIC SCIENCE CARDIOVASCULAR TRAINING PROGRAM	2T32 HL07224-11	288,469
DIAMOND, RICHARD D	RESEARCH TRAINING IN MEDICAL MYCOLOGY	5T32 AI07289-02	70,853
LEVINSKY, NORMAN G	RESEARCH TRAINING IN NEPHROLOGY	5T32 DK07053-13	170,801
MELBY, JAMES C	TRAINING PROGRAM IN ENDOCRINE AND METABOLIC RESEARCH	5T32 DK07201-11	82,375
PETERS, ALAN	NEUROANATOMY	5T32 HS07152-08	109,018
POLGAR, PETER R	PRE AND POST DOCTORAL TRAINING IN BIOCHEMISTRY OF AGING	5T32 AG00115-02	202,104
SIMONS, ELIZABETH R	BLOOD DISEASES AND RESOURCES	5T32 HL07501-07	153,758

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
SMALL, DONALD M	CHEMISTRY OF LIPOPROTEINS AND ATHEROSCLEROTIC LESIONS	5T32 HL07291-10	77,625
ORGANIZATION TOTAL	11 1,790,835		
BRIGHAM AND WOMEN'S HOSPITAL ZIP CODE 02115			
ADAMS, DOUGLASS F	RESEARCH TRAINING IN IMAGING METHODS FOR CANCER	5T32 CA09536-02	199,006
AUSTEN, K FRANK	IMMUNOLOGIC BASIS OF RESISTANCE AND HYPERSENSITIVITY	5T32 AI07306-02	234,069
AUSTEN, K FRANK	MECHANISMS OF ARTHRITIC AND DERMATOLOGIC DISORDERS	5T32 AR07530-02	136,622
BETTMAN, MICHAEL A	CARDIOVASCULAR RADIOLOGY RESEARCH TRAINING PROGRAM	5T32 HL07608-02	135,363
BRENNER, BARRY M	TRAINING PROGRAM IN ACADEMIC NEPHROLOGY	3T32 DK07527-01S1	2,164
BRENNER, BARRY M	TRAINING PROGRAM IN ACADEMIC NEPHROLOGY	5T32 DK07527-02	182,516
COTRAN, RAMZI S	VASCULAR, PULMONARY AND RENAL INJURY	5T32 HL07627-02	251,521
HANDIN, ROBERT I	A TRAINING PROGRAM IN MOLECULAR HEMATOLOGY	5T32 HL07623-02	174,833
INGRAM, ROLAND H, JR	RESPIRATION RESEARCH	5T32 HL07633-02	268,675
LARSEN, P REED	TRAINING GRANT IN ACADEMIC ENDOCRINOLOGY	5T32 DK07529-02	87,825
SMITH, THOMAS W	TRAINING PROGRAM IN CARDIOVASCULAR RESEARCH	5T32 HL07604-02	382,007
TIER, JERRY S	ALIMENTARY TRACT RESEARCH IN HEALTH AND DISEASE	3T32 DK07533-01S1	4,316
TIER, JERRY S	ALIMENTARY TRACT RESEARCH IN HEALTH AND DISEASE	5T32 DK07533-02	170,498
WILLIAMS, GORDON H	TRAINING PROGRAM IN HYPERTENSION	2T32 HL07609-02	212,332
WILSON, RICHARD E	ADVANCED TRAINING IN SURGICAL ONCOLOGY	5T32 CA09535-02	48,533
ORGANIZATION TOTAL	15 2,490,280		
CHILDREN'S HOSPITAL ZIP CODE 02115			
ARNAT, CONSTANTINE S	RESEARCH IN DEVELOPMENTAL ENDOCRINOLOGY & METABOLISM	5T32 HD07277-05	98,971
GEHA, RAIF S	IMMUNE RESISTANCE AND HYPERSENSITIVITY IN CHILDREN	1T32 HD07321-01	121,401
GRUPE, WARREN E	RESEARCH TRAINING IN PEDIATRIC NEPHROLOGY	5T32 HD07268-03	79,985
LUX, SAMUEL E, IV	PATHOPHYSIOLOGY OF HUMAN BLOOD CELLS	5T32 HL07574-05	191,833
NADAL-GINARD, BERNARDO	RESEARCH METHODS IN PEDIATRIC HEART DISEASE	5T32 HL07572-05	196,427
SIDMAN, RICHARD L	DEVELOPMENTAL NEUROLOGY	5T32 NS07264-05	150,849
WALKER, W ALLAN	PEDIATRIC GASTROENTEROLOGY AND NUTRITION	5T32 DK07477-03	137,961
ORGANIZATION TOTAL	7 977,427		
DANA-FARBER CANCER INSTITUTE ZIP CODE 02115			
FREI, EMIL, III	GRADUATE TRAINING IN CANCER RESEARCH	2T32 CA09172-12	338,165
FREIREICH, ARTHUR B	MOLECULAR ANALYSIS OF NEOPLASTIC DISEASE	5T32 CA09361-07	300,414
ORGANIZATION TOTAL	2 638,579		
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION ZIP CODE 02114			
KENYON, KENNETH R	VISION RESEARCH—MULTIDISCIPLINARY	2T32 EY07074-06	116,894
ORGANIZATION TOTAL	1 116,894		
HARVARD UNIVERSITY ZIP CODE 02115			
ABELMANN, WALTER H	CARDIOVASCULAR RESEARCH	5T32 HL07374-09	242,193
BECKWITH, JONATHAN R	GENE EXPRESSION REGULATION IN PROKARYOTES & EUKARYOTES	5T32 GM07196-12	224,818
BENACERRAF, BARUJ	IMMUNOLOGY	5T32 CA09130-12	71,426
BENACERRAF, BARUJ	IMMUNOLOGY	2T32 CA09141-11	273,608
BIGGERS, JOHN D	REPRODUCTIVE BIOLOGY	5T32 HD07130-09	57,150
BJARNGARD, BENGT E	PHYSICS OF RADIATION THERAPY	5T32 CA09234-08	53,596
DOUGLASS, CHESTER W	NEW ENGLAND ORAL DISEASE EPIDEMIOLOGY TRAINING GRANT	5T32 DE07151-02	222,553
ERBE, RICHARD W	GENETICS	5T32 GM07748-08	110,243
ESSEX, MYRON E	PATHOBIOLOGY OF CANCER AT HOST POPULATION LEVEL	2T32 CA09382-06	148,109
FITZPATRICK, THOMAS B	DERMATOLOGY	5T32 AR07098-13	126,029
GLIMCHER, MELVIN J	TRAINING GRANT IN ACADEMIC ORTHOPEDICS	5T32 AR07112-10	64,761
GOLDIN, STANLEY M	PHARMACOLOGICAL SCIENCES	5T32 GM07306-12	105,571
GREENES, ROBERT A	HEALTH COMPUTER SCIENCES RESEARCH TRAINING	5T15 LM07037-03	214,795
HECHTMAN, HERBERT B	TRAUMA AND BURN RESEARCH	5T32 GM07560-10	59,320
HENNEKENS, CHARLES H	EPIDEMIOLOGY OF CARDIOVASCULAR DISEASE	5T32 HL07575-03	129,472
HUANG, ALICE S	VIRUS-HOST INTERACTIONS IN CANCER	5T32 CA09031-12	250,350
HUTCHISON, GEORGE B	CANCER EPIDEMIOLOGY	5T32 CA09001-12	176,811
JEFFCOAT, MARJORIE K	SHORT-TERM RESEARCH TRAINING	5T35 DE07100-07	5,797
KARNOVSKY, MORRIS J	CELLULAR AND DEVELOPMENTAL BIOLOGY	5T32 GM07226-12	237,539
KING, NORVAL W, JR	VETERINARY AND COMPARATIVE PATHOLOGY	5T32 RR07000-12	109,234

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
LITTLE, JOHN B	RADIATION BIOLOGY	5T32 CA09078-12	259,870
MEAD, JERE	MULTIDISCIPLINARY RESPIRATORY DISEASES	5T32 HL07118-12	221,109
MONSON, RICHARD R	ENVIRONMENTAL EPIDEMIOLOGY	5T32 ES07069-09	398,976
MOORREES, COENRAAD F	CRANIOFACIAL ANOMALIES	2T32 DE07008-11	209,672
NADAL-GINARD, BERNARDO	MEDICAL SCIENTIST	5T32 GM07753-08	793,303
POTTER, DAVID D	NEUROBIOLOGY	5T32 NS07112-10	100,099
ROBERTS, BRYAN E	MOLECULAR BASES OF VIRAL INFECTIVITY	5T32 AI07245-04	153,712
SMITH, THOMAS W	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 HL07552-04	34,844
SPEIZER, FRANK E	CLINICAL EPIDEMIOLOGY OF LUNG AND HEART DISEASE	5T32 HL07427-07	162,416
TASHJIAN, ARMEN H, JR	GRADUATE PROGRAM IN ENVIRONMENTAL HEALTH SCIENCES	5T32 ES07155-02	223,102
VILLEE, CLAUDE A	A TRAINING PROGRAM IN ENDOCRINOLOGY	5T32 DK07337-09	88,276
WARE, JAMES H	GRADUATE TRAINING IN BIOSTATISTICS	5T32 ES0714?-04	166,838
WILLIAMS, RAY C	PERIODONTIA	5T32 DE07010-12	305,119
WILSON, THOMAS H	SYSTEMS AND INTEGRATIVE BIOLOGY	5T32 GM07258-12	171,934
ZELEN, MARVIN	BIOMETRY/EPIDEMIOLOGY TRAINING GRANT IN BIOSTATISTICS	5T32 CA09337-07	187,614
ZIGMOND, RICHARD E	DEVELOPMENTAL NEUROLOGY	5T32 NS07009-12	99,904
ORGANIZATION TOTAL	36 6,460,163		
JOSLIN DIABETES CENTER ZIP CODE 02215			
KAHN, C RONALD	TRAINING IN DIABETES AND METABOLISM	5T32 DK07260-10	88,855
ORGANIZATION TOTAL	1 88,855		
MASSACHUSETTS EYE AND EAR INFIRMARY ZIP CODE 02114			
NADOL, JOSEPH B, JR	RESEARCH TRAINING IN OTOLARYNGOLOGY	5T32 NS07268-02	98,345
ORGANIZATION TOTAL	1 98,345		
MASSACHUSETTS GENERAL HOSPITAL ZIP CODE 02114			
ALPERT, NATHANIEL	POSTGRADUATE PROGRAM IN RADIOLOGICAL SCIENCE	2T32 CA09362-06A1	50,193
AUSIELLO, DENNIS A	TRAINING IN CELL STRUCTURE AND FUNCTION IN NEPHROLOGY	1T32 DK07540-01	62,736
AVRUCH, JOSEPH	TRAINING PROGRAM IN ENDOCRINOLOGY AND DIABETES	5T32 DK07028-12	259,862
BRADY, THOMAS J	NUCLEAR MAGNETIC RESONANCE RESEARCH	5T32 CA09502-02	102,715
BURKE, JOHN F	RESEARCH IN BURNS AND TRAUMA	5T32 GM07035-12	32,457
COLVIN, ROBERT B	IMMUNOLOGY AND TUMORS	5T32 CA09216-07	64,871
HABER, EDGAR	CARDIOLOGY--MULTIDISCIPLINARY	2T32 HL07208-11	255,293
ISSELBACHER, KURT J	RESEARCH TRAINING IN DIGESTIVE DISEASES AND NUTRITION	2T32 DK07191-12	204,616
KAZEMI, HOMAYOUN	PULMONARY PATHOPHYSIOLOGY	5T32 HL07354-09	120,086
KITZ, RICHARD J	BASIC SCIENCE RESEARCH--ANESTHESIOLOGY	5T32 GM07592-09	135,816
KRANE, STEPHEN M	CONNECTIVE TISSUE STRUCTURE, FUNCTION AND DISEASE	5T32 AR07258-10	62,426
MARTIN, JOSEPH B	NEUROLOGY AND NEUROSURGERY	3T32 NS07170-05S1	71,384
STOSSEL, THOMAS P	ONCOLOGY AND HEMATOLOGY	5T32 CA09321-09	127,454
STRAUSS, HARRY W	CARDIOVASCULAR NUCLEAR MEDICINE	5T32 HL07416-09	123,597
WEYMAN, ARTHUR E	NON-INVASIVE CARDIAC IMAGING	5T32 HL07535-05	115,962
ORGANIZATION TOTAL	15 1,789,468		
NEW ENGLAND DEACONESS HOSPITAL ZIP CODE 02215			
BLACKBURN, GEORGE L	NUTRITION ONCOLOGY--PREVENTION AND INTERVENTION	5T32 CA09455-04	128,288
ORGANIZATION TOTAL	1 128,288		
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC. ZIP CODE 02111			
DESFORGES, JANE F	RESEARCH IN BLOOD COMPONENTS	5T32 HL07437-09	253,755
FANBURG, BARRY L	BIOCHEMISTRY, METABOLISM, AND IMMUNOLOGY OF THE LUNG	5T32 HL07053-12	133,755
GRAND, RICHARD J	PEDIATRIC GASTROENTEROLOGY RESEARCH TRAINING GRANT	5T32 DK07471-05	134,476
KAPLAN, MARSHALL M	PHYSIOLOGY AND IMMUNOLOGY OF DIGESTIVE DISEASES	5T32 DK07024-11	129,776
PARKER, STEPHEN G	PROGRAM FOR CLINICAL HEALTH INFORMATION SCIENCES	5T15 LM07044-03	195,245
REICHLIN, SEYMOUR	CLINICAL AND BASIC NEUROENDOCRINOLOGY	5T32 DK07039-12	98,600
SCHWARTZ, ROBERT S	ONCOLOGY	2T32 CA09429-06	96,819
ORGANIZATION TOTAL	7 1,042,426		
TUFTS UNIVERSITY ZIP CODE 02111			
ARIAS, IRWIN M	THE PATHOBIOLOGY OF DIGESTIVE DISEASES	1T32 DK07542-01	99,121
GREENBLATT, DAVID J	PHARMACOKINETICS IN THE ELDERLY	5T32 AG00106-04	45,392

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
WORTIS, HENRY H	IMMUNOLOGIC ASPECTS OF DISEASE	2T32 AI07077-06	78,633
ORGANIZATION TOTAL	3 223,146		
CAMBRIDGE			
HARVARD UNIVERSITY ZIP CODE 02138			
GILBART, WILLIAM M	TRAINING PROGRAM IN GENETICS	5T32 GM07626-09	278,790
MESELSON, MATTHEW S	BIOCHEMISTRY, CELLULAR, AND MOLECULAR BIOLOGY	5T32 GM07598-09	641,729
ORGANIZATION TOTAL	2 920,519		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ZIP CODE 02139			
BOTSTEIN, DAVID	BIOLOGICAL SCIENCES	5T32 GM07287-12	1,200,787
BRANDA, LOUIS D	AUDITORY PERCEPTION IN NORMAL AND IMPAIRED LISTENERS	5T32 NS07099-09	76,967
BROWNELL, GORDON L	RADIOLOGICAL SCIENCE GRADUATE PROGRAM	5T32 CA09447-05	141,348
BUCH, GEORGE N	CARCINOGENESIS AND DRUG DEVELOPMENT	5T32 CA09112-12	309,873
EISEN, HERMAN N	IMMUNOLOGY	5T32 CA09255-09	196,879
HELD, RICHARD M	INTEGRATIVE SYSTEMS	5T32 GM07484-10	193,335
PEAKE, WILLIAM T	AUDITORY PHYSIOLOGY	5T32 NS07047-10	56,034
STEVENS, KENNETH N	SPEECH SCIENCES	5T32 NS07040-12	55,054
WOGAN, GERALD N	ENVIRONMENTAL TOXICOLOGY	5T32 ES07020-12	331,755
WOLF, GEORGE O	BASIC NUTRITION	3T32 DK07413-09S1	24,186
ORGANIZATION TOTAL	10 2,586,068		
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH ZIP CODE 02142			
WEINBERG, ROBERT A	MOLECULAR BIOLOGY OF CANCER AND DEVELOPMENT	1T32 CA09541-01	102,109
ORGANIZATION TOTAL	1 102,109		
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, INC. ZIP CODE 01545			
CRAIN, WILLIAM R, JR	CELL BIOLOGY OF DEVELOPMENT	5T32 HD07312-02	71,824
ORGANIZATION TOTAL	1 71,824		
WALTHAM			
BRANDEIS UNIVERSITY ZIP CODE 02154			
DYBWAD, GUNNAR	MENTAL RETARDATION	5T32 HD07194-08	147,854
HABER, JAMES E	GENETIC AND BIOCHEMICAL MECHANISMS OF REGULATION	5T32 GM07122-12	96,140
JENCKS, WILLIAM P	BASIC BIOMEDICAL RESEARCH TRAINING PROGRAM	5T32 DK07251-10	49,938
LOWENSTEIN, JOHN M	BIOLOGICAL STRUCTURE AND FUNCTION	5T32 GM07596-09	253,992
MARDER, EVE E	NEUROBIOLOGY: GENES, CHANNELS, AND BEHAVIOR	1T32 NS07292-01	94,838
NISONOFF, ALFRED	INVESTIGATION OF MECHANISMS IN THE IMMUNE RESPONSE	5T32 AI07068-10	52,643
ORGANIZATION TOTAL	6 695,209		
EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION ZIP CODE 02254			
LEES, MARJORIE B	MENTAL RETARDATION—BIOLOGICAL RESEARCH TRAINING	5T32 HD07251-04	80,581
ORGANIZATION TOTAL	1 80,581		
WOODS HOLE			
MARINE BIOLOGICAL LABORATORY ZIP CODE 02543			
GROSS, PAUL R	EMBRYOLOGY	5T35 HD07098-10	35,077
ORGANIZATION TOTAL	1 35,077		
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER ZIP CODE 01605			
BRAVERMAN, LEWIS E	INTERDISCIPLINARY STUDIES OF HORMONE FUNCTION	5T32 DK07302-09	159,824

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
EWING, FRANCIS A	VIRUS INFECTIONS: PATHOGENESIS AND HOST DEFENSES	5T32 AI07272-03	125,604
ORGANIZATION TOTAL	2 285,423		
STATE TOTAL	132 21,282,618		
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN AT ANN ARBOR	ZIP CODE 48109		
ADELMAN, RICHARD C	MULTIDISCIPLINARY RESEARCH TRAINING IN AGING	5T32 AG00114-02	168,924
ALPERN, MATHEW	TRAINING PROGRAM IN VISION RESEARCH	2T32 EY07022-11	174,276
AVERY, JAMES K	SHORT-TERM RESEARCH TRAINING	5T35 DE07101-07	19,566
BERNSTEIN, ISADORE A	ENVIRONMENTAL TOXICOLOGY PREDOCTORAL RESEARCH TRAINING	5T32 ES07062-07	71,031
BOLE, GILES G, JR	TRAINING OF ARTHRITIS RESEARCH SCIENTISTS	2T32 AR07080-12	87,693
BOXER, LAWRENCE A	HEMATOLOGY TRAINING GRANT	1T32 HL07622-01	129,633
BREWER, GEORGE J	GENETICS	5T32 GM07544-09	383,892
BURT, BRIAN A	TRAINING IN ADVANCED ORAL EPIDEMIOLOGY	5T32 DE07157-02	145,667
CARLSON, BRUCE M	DEVELOPMENTAL BIOLOGY AT THE UNIVERSITY OF MICHIGAN	5T32 HD07274-03	127,150
CRAIG, ROBERT G	RESTORATIVE DENTAL MATERIALS	2T32 DE07057-11	7,900
DE WITH, GEORGE R	BIOMEDICAL SCIENCES	5T32 GM07863-07	397,808
FAJANS, STEFAN S	TRAINING PROGRAM IN ENDOCRINOLOGY, METABOLISM, AND AGING	1T32 AG00123-01	44,826
HAWTHORNE, VICTOR M	DIABETES EPIDEMIOLOGY TRAINING PROGRAM	5T32 DK07445-04	49,109
HAWTHORNE, VICTOR M	RESPIRATORY DISEASES—EPIDEMIOLOGY	5T32 HL07137-09	94,077
HERMALIN, ALBERT I	POPULATION AND HUMAN ECOLOGY	5T32 HD07064-09	155,748
		NICHD	127,016
		NIA	28,732
HOFFMAN, LOIS W	DEVELOPMENTAL PSYCHOLOGY	5T32 HD07109-09	94,487
JOHNSON, JOSEPH E	SHORT-TERM RESEARCH TRAINING	5T35 HS07197-07	50,102
KRAUSE, CHARLES J	RESEARCH TRAINING IN THE COMMUNICATIVE SCIENCES	1T32 HS07293-01	97,482
KUHL, DAVID E	NUCLEAR MEDICINE	5T32 CA09015-11	184,975
LEVINE, IRVING	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07315-12	218,696
LIANG, JERSEY	PUBLIC HEALTH AND AGING	1T32 AG00134-01	45,538
MARSHALL, JOHN C	TRAINING PROGRAM IN ENDOCRINOLOGY AND METABOLISM	5T32 DK07245-10	162,897
MIDGLEY, A REES, JR	REPRODUCTIVE ENDOCRINOLOGY	5T32 HD07048-12	195,281
MUELLER, EVA L	ECONOMIC DEMOGRAPHY	5T32 HD07060-10	86,448
RINGLER, DANIEL H	LABORATORY ANIMAL SCIENCE AND MEDICINE	5T32 RR07008-10	166,057
		DRR	108,883
		NIA	57,174
SCHACHT, JOCHEN H	AUDITORY AND VESTIBULAR MECHANISMS AND DISTURBANCES	5T32 NS07106-09	77,549
SUSSMAN, ALFRED S	INTERDEPARTMENTAL TRAINING IN PHARMACOLOGICAL SCIENCES	5T32 GM07767-09	227,761
TANNER, RICHARD L	RESEARCH TRAINING IN NEPHROLOGY	5T32 DK07378-07	90,752
TROPMAN, JOHN E	SOCIAL RESEARCH TRAINING ON APPLIED ISSUES O. AGING	5T32 AG00117-02	217,409
VOORHEES, JOHN J	TRAINING PROGRAM IN CELL AND MOLECULAR DERMATOLOGY	5T32 AR07197-10	50,135
WARD, PETER A	LUNG IMMUNOPATHOLOGY	2T32 HL07517-06	226,205
YAMADA, TADATAKA	TRAINING FOR RESEARCH IN GASTROENTEROLOGY	5T32 DK07367-07	123,360
ORGANIZATION TOTAL	32 4,292,434		
DETROIT			
WAYNE STATE UNIVERSITY	ZIP CODE 48202		
BROOKS, SAM C	TRAINING PROGRAM IN THE BIOLOGY OF CANCER	5T32 CA09531-02	109,664
JAY, JAMES M	BIOMEDICAL SCIENCES	5T34 GM08030-05	75,239
MONTGOMERY, PAUL C	VISUAL SCIENCES TRAINING PROGRAM	1T32 EY07093-01	112,305
WALZ, DANIEL A	MULTIDISCIPLINARY TRAINING IN EXPERIMENTAL HEMATOLOGY	5T32 HL07602-02	105,183
WALZ, DANIEL A	MINORITY INSTITUTIONAL RESEARCH TRAINING PROGRAM	1T32 HL07624-01	27,792
ORGANIZATION TOTAL	5 430,183		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MICHIGAN—Continued			
EAST LANSING			
MICHIGAN STATE UNIVERSITY ZIP CODE 48824			
BRODY, THEODORE M	PHARMACOLOGY AND TOXICOLOGY	5T32 GM07392-10	82,494
CHOU, CHING-CHUNG	SHORT-TERM RESEARCH TRAINING	5T35 HL07507-07	64,622
LEADER, ROBERT W	PATHOLOGY/TOXICOLOGY	5T32 ES07146-04	167,393
WILLIAMS, JEFFREY F	EXPERIMENTAL PARASITOLOGY	5T32 AI07203-08	65,877
ORGANIZATION TOTAL	4 380,386		
STATE TOTAL	41 5,103,003		
MINNESOTA			
DULUTH			
UNIVERSITY OF MINNESOTA AT DULUTH ZIP CODE 55812			
POZOS, ROBERT S	INDIANS INTO RESEARCH CAREERS	5T34 GM07680-09	116,912
ORGANIZATION TOTAL	1 116,912		
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL ZIP CODE 55455			
COHN, JAY N	MULTIDISCIPLINARY CARDIOVASCULAR RESEARCH	2T32 HL07184-11	191,409
GATEWOOD, LAEL C	RESEARCH TRAINING IN MEDICAL INFORMATICS	5T15 LM07041-03	193,159
HOLMAN, RALPH T	LIPID RESEARCH	5T32 HL07311-09	62,230
JACOB, HARRY S	HEMOGLOBIN AND CELL MEMBRANE RESEARCH	5T32 HL07062-10	141,875
JAHN, STEVEN K	OTOLARYNGOLOGY	5T32 NS07084-09	55,319
LIPSCOMB, JOHN D	CHEMICAL BASES OF CELL AND MOLECULAR BIOLOGY	5T32 GM07323-12	82,354
LUCAS, RUSSELL V, JR	PEDIATRIC CARDIOLOGY	5T32 HL07359-09	108,865
LUEPKER, RUSSELL V	BEHAVIORAL ASPECTS OF CARDIOVASCULAR DISEASE	5T32 HL07328-09	148,150
MESSER, LOUISE J	DENTISTRY	5T32 DE07014-12	6,899
MESSNER, RONALD P	IMMUNOPATHOLOGY OF RHEUMATIC DISEASES	5T32 AR07437-04	80,368
NAJARIAN, JOHN S	IMMUNOLOGY AND ITS RELATION TO SURGERY	5T32 CA09024-11	94,687
NESBIT, MARK E, JR	PEDIATRIC ONCOLOGY TRAINING PROGRAM	5T32 CA09445-05	98,052
OPPENHEIMER, JACK H	DIABETES ENDOCRINOLOGY AND METABOLISM	5T32 DK07203-10	85,524
OVERMIER, JAMES B	CENTER FOR RESEARCH IN HUMAN LEARNING	5T32 HD07151-09	224,055
PLAGEMANN, PETER G	MICROBIOLOGY--CANCER	5T32 CA09138-12	196,755
PRINEAS, RONALD J	PREVENTION OF CARDIOVASCULAR DISEASES	5T32 HL07036-10	58,267
QUIE, PAUL G	INFECTIOUS DISEASES IN PEDIATRICS	5T32 AI07054-10	127,487
SHEPPARD, JOHN R	BEHAVIORAL GENETICS/BIOLOGY OF AGING	1T32 AG00143-01	50,880
SHIDEMAN, FREDERICK E	MEDICINAL CHEMISTRY AND PHARMACOLOGY	5T32 GM07994-05	147,058
SINGER, LEON	SHORT-TERM RESEARCH TRAINING	5T35 DE07098-07	17,392
VERNIER, ROBERT L	PREFACULTY TRAINING IN PEDIATRIC NEPHROLOGY	5T32 DK07087-13	139,802
WILSON, IVAN D	RESEARCH TRAINING IN DIGESTIVE AND LIVER DISEASES	5T32 DK07177-11	78,073
ORGANIZATION TOTAL	22 2,388,660		
ROCHESTER			
MAYO FOUNDATION ZIP CODE 55905			
DAVID, CHELLA S	TUMOR IMMUNOLOGY	5T32 CA09127-12	160,784
DOUSA, THOMAS P	KIDNEY DISEASES RESEARCH TRAINING PROGRAM	5T32 DK07013-12	72,254
GLEICH, GERALD J	TRAINING PROGRAM IN ALLERGIC DISEASES	5T32 AI07047-08	86,515
HAYMOND, MOREY W	DIABETES AND METABOLISM	5T32 DK07352-08	107,152
KNOX, FRANKLYN G	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T35 HL07551-04	13,044
KUMAR, RAJIV	ENDOCRINOLOGY AND METABOLISM	5T32 DK07147-12	84,746
LA RUSSO, NICHOLAS F	MULTIDISCIPLINARY TRAINING IN DIGESTIVE DISEASES	5T32 DK07198-11	118,672
RODARTE, JOSEPH R	LUNG DISEASES	2T32 HL07222-11	119,728
ROMERO, JUAN C	HYPERTENSION--MULTIDISCIPLINARY	5T32 HL07269-10	132,158

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MINNESOTA—Continued			
RYAN, ROBERT J	REPRODUCTIVE BIOLOGY	5T32 HD07108-10	62,749
SCOTT, ROBERT E	MULTIDISCIPLINARY BASIC RESEARCH TRAINING IN CANCER	5T32 CA09441-04	344,917
TANCREDI, ROBERT G	CARDIOVASCULOGY	5T32 HL07111-12	157,794
ORGANIZATION TOTAL 12	1,460,513		
STATE TOTAL 35	3,966,085		
MISSISSIPPI			
JACKSON			
JACKSON STATE UNIVERSITY ZIP CODE 39217			
CAMERON, JOSEPH A	MINORITY INSTITUTIONAL RESEARCH TRAINING PROGRAM	1T32 HL07635-01	87,333
SULLIVAN, RICHARD M	BIOMEDICAL SCIENCES	5T34 GM07672-10	173,898
ORGANIZATION TOTAL 2	261,231		
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER ZIP CODE 39216			
KLEIN, RICHARD L	HYPERTENSION RESEARCH PROGRAM	5T35 HL07392-09	53,490
MEHENDALE, HARIHARA M	TRAINING PROGRAM IN TOXICOLOGY	5T32 ES07045-09	44,856
ORGANIZATION TOTAL 2	98,346		
TOUGALOO			
TOUGALOO COLLEGE ZIP CODE 39174			
MEHROTRA, BHARATI M	BIOMEDICAL SCIENCES	5T34 GM07651-10	131,710
ORGANIZATION TOTAL 1	131,710		
STATE TOTAL 5	491,287		
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI-COLUMBIA ZIP CODE 65211			
EISENSTARK, ABRAHAM	GENETICS	5T32 GM07494-10	61,115
FRANKLIN, DEAN	CARDIOVASCULAR CONTROL	5T32 HL07187-10	13,102
JONES, ALLAN W	CARDIOVASCULAR/RENAL PHYSIOL.-PHARMACOL/BIOCHEMISTRY	5T32 HL07994-12	125,190
MC LAUGHLIN, RONALD M	LABORATORY ANIMAL MEDICINE	5T32 RR07004-09	131,085
ORGANIZATION TOTAL 4	330,412		
KANSAS CITY			
UNIVERSITY OF MISSOURI-KANSAS CITY ZIP CODE 64110			
PETERSON, WARREN A	INTER-UNIVERSITY TRAINING - ADULT DEVELOPMENT AND AGING	7T32 AG00137-01	229,688
ORGANIZATION TOTAL 1	229,688		
SAINT LOUIS			
ST LOUIS UNIVERSITY ZIP CODE 63103			
GRANDGENETT, DUANE P	CELL AND MOLECULAR BIOLOGY RESEARCH TRAINING GRANT	5T32 GM08109-03	51,092
LONGMORE, WILLIAM J	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	5T32 HL07050-12	304,510
WESTFALL, THOMAS C	GRADUATE TRAINING IN NEUROPHARMACOLOGY	5T32 NS07254-02	63,792
ORGANIZATION TOTAL 3	419,394		
WASHINGTON UNIVERSITY ZIP CODE 63130			
ALPERS, DAVID H	CLINICAL/LABORATORY TRAINING ACADEMIC GASTROENTEROLOGIST	5T32 DK07130-13	133,070

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
MISSOURI—Continued			
ATKINSON, JOHN P	IMMUNOLOGY OF CONNECTIVE TISSUE DISEASES	5T32 AR07279-10	88,996
AVIOLI, LOUIS V	MINERAL AND SKELETAL METABOLISM	5T32 AR07033-13	131,044
BURGE, RICHARD P	NEUROBIOLOGY	5T32 NS07071-09	133,554
CHAPLIN, HUGH, JR	BLOOD BANKING	5T32 HL07038-12	146,934
COHEN, ADOLPH I	VISUAL SCIENCES	5T32 EY07057-07	104,252
EISEN, ARTHUR Z	DERMATOLOGY	5T32 AR07284-09	89,083
FISCHBACH, GERALD D	SYSTEMS AND MOLECULAR NEUROBIOLOGY	5T32 GM08151-02	93,501
FISHER, EDWIN B, JR	NUTRITION-BEHAVIORAL CARDIOVASCULAR DISEASE PREVENTION	5T32 HL07456-07	93,980
FREDRICKSON, JOHN M	DEVELOPMENT OF CLINICIAN-RESEARCHER IN ACADEMIC E.N.T.	5T32 NS07278-02	67,408
FREEDEN, CARL	MEDICAL SCIENTIST	5T32 GM07200-12	773,127
GORDON, JEFFREY I	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07067-12	404,779
HARTL, DANIEL L	GENETICS TRAINING PROGRAM	5T32 GM08036-04	130,289
HOLLOSZY, JOHN O	EXERCISE AS PREVENTIVE MEDICINE IN THE AGING PROCESS	5T32 AG00078-07	138,146
KLAHR, SAULO	RENAL DISEASE	5T32 DK07126-13	183,174
KOBAYASHI, GEORGE S	FUNGAL DISEASES	2T32 AI07015-11	96,517
KUHN, CHARLES	MECHANISMS OF DISEASE IN ENVIRONMENTAL PATHOLOGY	5T32 ES07066-10	267,429
LANDAU, WILLIAM M	BASIC CLINICAL NEUROSCIENCE	5T32 NS07205-05	125,307
LOWRY, OLIVER H	MOLECULAR, BIOCHEMICAL, AND PHYSIOLOGICAL PHARMACOLOGY	2T32 GM07805-06	37,306
LOWRY, OLIVER H	NEUROPHARMACOLOGY RESEARCH	5T32 NS07129-08	109,965
MAJERUS, PHILIP W	HEMATOLOGY	5T32 HL07088-12	253,041
MC DONALD, JOHN A	PRINCIPLES IN PULMONARY RESEARCH	5T32 HL07317-09	143,299
MEDOFF, GERALD	INFECTIOUS DISEASE/BASIC MICROBIOLOGICAL MECHANISMS	5T32 AI07172-07	114,955
MONAFO, WILLIAM W	TRAUMA AND BURNS RESEARCH	5T32 GM07602-08	82,720
NEEDLEMAN, PHILIP	BLOOD VESSELS & HEART--FUNCTION REGULATION PHARMACOLOGY	5T32 HL07275-10	174,047
PARKER, CHARLES W	ALLERGY AND IMMUNOLOGY	5T32 AI00112-12	86,454
PERNUTT, MARSHALL A	DIABETES AND RELATED METABOLIC DISEASES	5T32 DK07120-12	240,144
PRENSKY, ARTHUR L	DEVELOPMENTAL NEUROLOGY	5T32 NS07027-11	140,271
SHREFFLER, DONALD C	IMMUNOLOGY AND IMMUNOGENETICS	5T32 AI07163-09	273,584
SOBEL, BURTON E	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	5T32 HL07081-12	348,669
STORANDT, MARTHA A	AGING AND DEVELOPMENT	5T32 AG00030-10	133,259
UNANUE, EMIL R	TRAINING IN CANCER BIOLOGY	1T32 CA09547-01	205,152
WILLIAMSON, JOSEPH R	CELL BIOLOGIC APPROACHES TO DIABETES RESEARCH	5T32 DK07296-08	116,801
WOOLSEY, THOMAS A	SENSORY PHYSIOLOGY AND BIOPHYSICS	3T32 NS07057-08S1	80,348
ORGANIZATION TOTAL	34	5,738,602	
STATE TOTAL	42	6,718,296	

NEBRASKA

BOYS TOWN

FATHER FLANAGAN'S BOYS' HOME ZIP CODE 68010

WARR, WILLIAM B	HUMAN COMMUNICATION AND ITS DISORDERS	5T32 NS07147-07	55,416
ORGANIZATION TOTAL	1	55,416	
STATE TOTAL	1	55,416	

NEVADA

RENO

UNIVERSITY OF NEVADA SYSTEM--UNIVERSITY OF NEVADA RENO ZIP CODE 89557

HUDIG, DOROTHY	CELL AND MOLECULAR CANCER RESEARCH TRAINING IN NEVADA	1T32 CA09563-01	27,868
SANDERS, KENTON M	STUDENTS IN HEALTH PROFESSIONAL SCIENCES	5T35 DK07478-03	13,712
ORGANIZATION TOTAL	2	41,580	
STATE TOTAL	2	41,580	

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE ZIP CODE 03755			
BARTLETT, DONALD, JR.	RESPIRATORY PHYSIOLOGY	5T32 HL07449-07	159,06
NORTH, WILLIAM G.	THE ROLE OF HORMONES IN HEALTH AND DISEASE	1T32 DK07508-01A1	100,140
SMITH, ROGER P.	ENVIRONMENTAL TOXICOLOGY	5T32 ES07104-08	107,528
TENNEY, STEPHEN M.	SUMMER RESEARCH TRAINING FOR MEDICAL STUDENTS	1T35 HL07582-02	14,494
VALTIN, HEINZ	RENAL AND NEUROHYPOPHYSIAL FUNCTION AND DISEASE	5T32 DK07301-09	83,200
ORGANIZATION TOTAL	5 464,428		
STATE TOTAL	5 464,428		
NEW JERSEY			
NEWARK			
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY ZIP CODE 07103			
EDELMAN, NORMAN H.	RESPIRATORY BIOLOGY	5T32 HL07467-07	75,949
ORGANIZATION TOTAL	1 75,949		
PISCATAWAY			
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-ROBERT WOOD JOHNSON MEDICAL SCHOOL ZIP CODE 08854			
EGGER, M DAVID	SYNAPTIC MECHANISMS IN THE CNS	5T32 NS07229-03	96,768
HOLOWCZAK, JOHN A.	VIRAL AND CELLULAR GENOME FUNCTION IN CANCER	5T32 CA09069-12	125,048
ORGANIZATION TOTAL	2 221,816		
PRINCETON			
PRINCETON UNIVERSITY ZIP CODE 08544			
COX, EDWARD C.	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07312-12	218,954
LEVINE, ARNOLD J.	ONCOLOGY: MOLECULAR BASIS OF CANCER	5T32 CA09528-02	300,518
NEWTON, AUSTIN	GENETICS	5T32 GM07388-10	183,781
WESTOFF, CHARLES F.	DEMOGRAPHY	2T32 HD07163-08	125,402
ORGANIZATION TOTAL	4 828,655		
TEANECK			
FAIRLEIGH DICKINSON UNIVERSITY TEANECK ZIP CODE 07666			
LAMSTER, IRA B.	SHORT-TERM RESEARCH TRAINING	2T35 DE07121-06	6,901
ORGANIZATION TOTAL	1 6,901		
STATE TOTAL	8 1,133,321		
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO ALBUQUERQUE ZIP CODE 87131			
WILLIAMS, RALPH C., JR.	IMMUNE MECHANISMS IN THE CONNECTIVE TISSUE DISEASES	2T32 AR07173-12	53,244
ORGANIZATION TOTAL	1 53,244		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director		General area of training	Grant number	Dollars
NEW MEXICO—Continued				
LAS CRUCES				
NEW MEXICO STATE UNIVERSITY AT LAS CRUCES ZIP CODE 88003				
BERNSTEIN, MARVIN H		BIOMEDICAL SCIENCES	5T34 GM07667-10	107,366
ORGANIZATION TOTAL	1	107,366		
STATE TOTAL	2	160,610		
NEW YORK				
ALBANY				
NEW YORK STATE DEPARTMENT OF HEALTH ZIP CODE 12237				
GLEBATIS, DONNA M		NCI SHORT-TERM TRAINING ON EPIDEMIOLOGIC METHODS	1T35 CA09553-01	27,170
ORGANIZATION TOTAL	1	27,170		
UNION COLLEGE AND UNIVERSITY–ALBANY MEDICAL COLLEGE OF UNION UNIV ZIP CODE 12208				
KANTER, GERALD		SHORT-TERM RESEARCH TRAINING	5T35 HL07506-07	29,169
LEE, KYU T		CARDIOVASCULAR DISEASE RESEARCH	2T32 HL07194-11	127,439
MALIK, ASRAR B		MECHANISMS AND TREATMENT OF PULMONARY INSUFFICIENCY	5T32 HL07529-05	105,392
REICHERT, LEO E, JR		REPRODUCTIVE ENDOCRINOLOGY	5T32 HD07252-04	43,036
SABA, THOMAS M		TRAUMATOLOGY	5T32 GM07033-12	130,573
ORGANIZATION TOTAL	5	438,609		
BUFFALO				
NEW YORK STATE DEPARTMENT OF HEALTH–ROSWELL PARK MEMORIAL INSTITUTE ZIP CODE 14263				
GRAHAM, SAXON		MEDICAL SOCIOLOGY, EPIDEMIOLOGY, AND CANCER CONTROL	2T32 CA09051-11	60,165
MIHICH, ENRICO		DRUG DEVELOPMENT AND CANCER THERAPEUTICS	2T32 CA09072-12	122,857
SELBY, PHILIP		PROJECT ON CANCER CHEMOTHERAPY COURSES	5T14 CA09474-02	63,500
ORGANIZATION TOTAL	3	246,522		
STATE UNIVERSITY OF NEW YORK AT BUFFALO ZIP CODE 14260				
FLANAGAN, THOMAS D		SHORT-TERM RESEARCH TRAINING	2T35 AI000089-06	54,351
GENCO, ROBERT J		PERIODONTAL DISEASES	5T32 DE07034-12	301,115
MC CALL, WILLARD D, JR		SHORT-TERM RESEARCH TRAINING	5T35 DE07186-07	13,044
MOHL, NORMAN D		NEUROMUSCULAR RESEARCH IN CLINICAL DENTISTRY	5T32 DE07089-07	146,098
TRIGGLE, DAVID J		PHARMACOLOGICAL SCIENCES	5T32 GM07145-12	105,781
WEISER, MILTON M		RESEARCH TRAINING IN GASTROINTESTINAL DISEASES	5T32 DK07336-08	51,788
ORGANIZATION TOTAL	5	672,177		
COLD SPRING HARBOR				
COLD SPRING HARBOR LABORATORY ZIP CODE 11724				
GRODZICKER, TERRI I		TRAINING IN CANCER CELL BIOLOGY AND TUMOR VIROLOGY	5T32 CA09311-08	187,763
GRODZICKER, TERRI I		SUPPORT FOR CANCER RESEARCH CENTER WORKSHOPS	5T35 CA09481-05	148,971
HOCKFIELD, SUSAN		NEUROBIOLOGY	2T32 NS07163-08	86,374
ORGANIZATION TOTAL	3	423,108		
GARDEN CITY				
ADELPHI UNIVERSITY ZIP CODE 11530				
REED-ASH, CAROL		COURSE FOR NURSE EDUCATORS–CANCER PREVENTION	1T35 CA09570-01	35,856
ORGANIZATION TOTAL	1	35,856		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
ITHACA			
CORNELL UNIVERSITY ITHACA ZIP CODE 14853			
HINKLE, PETER C.	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07273-12	322,242
LEWIS, ROBERT W.	TRAINING VETERINARY PATHOLOGISTS FOR AGING RESEARCH	5T32 AG00104-04	80,177
LEWIS, ROBERT W.	STUDENTS IN HEALTH PROFESSIONAL SCHOOLS	5T25 AI07227-04	15,217
LEWIS, ROBERT W.	ENVIRONMENTAL PATHOLOGY	5T32 ES07105-05	87,251
MACINTYRE, ROSS J.	PREDOCTORAL TRAINING IN GENETICS AND DEVELOPMENT	5T32 GM07617-07	55,881
NATHANIELSZ, PETER W.	PREGNANCY, PARTURITION, AND PERINATOLOGY	5T32 HD07290-02	65,461
NESHEIM, MALDEN C.	NUTRITION TRAINING	5T32 DK07156 11	122,092
SALPETER, MIRIAM M.	CELLULAR AND MOLECULAR NEUROBIOLOGY	5T32 GM07469-10	83,127
WASSERMAN, ROBERT H.	DIFFERENTIATION AND FUNCTION OF TRANSPORTING EPITHELIA	5T32 DK07487-02	110,394
WILKINSON, CHRISTOPHER F.	ENVIRONMENTAL TOXICOLOGY	5T32 ES07052-10	209,983
ZILVERSMIT, DONALD B.	NUTRITIONAL ASPECTS OF ARTERIOSCLEROSIS	5T32 HL07245-10	81,731
ORGANIZATION TOTAL 11 1,233,556			
NEW YORK			
CITY UNIVERSITY OF NEW YORK–BROOKLYN COLLEGE ZIP CODE 11210			
BRAMWELL, FITZGERALD B.	BIOMEDICAL RESEARCH TRAINING FOR MINORITY UNDERGRADUATES	5T34 GM08078-03	299,958
ORGANIZATION TOTAL 1 299,958			
CITY UNIVERSITY OF NEW YORK–CITY COLLEGE OF NEW YORK ZIP CODE 10031			
FISHMAN, MYER M.	BIOMEDICAL SCIENCES	5T34 GM07639-09	110,110
ORGANIZATION TOTAL 1 110,110			
CITY UNIVERSITY OF NEW YORK–GRADUATE SCHOOL AND UNIVERSITY CENTER ZIP CODE 10036			
NELSON, KATHERINE	HUMAN DEVELOPMENT	5T32 HD07196-08	146,708
ORGANIZATION TOTAL 1 146,708			
CITY UNIVERSITY OF NEW YORK–HERBERT H. LEHMAN COLLEGE ZIP CODE 10468			
SHAW, FREDERICK C.	MINORITY ACCESS TO RESEARCH CAREERS	1T34 GM08182-01	69,604
ORGANIZATION TOTAL 1 69,604			
CITY UNIVERSITY OF NEW YORK–HUNTER COLLEGE ZIP CODE 10021			
SHAW, RICHARD C.	BIOMEDICAL SCIENCES	5T34 GM07823-07	90,936
ORGANIZATION TOTAL 1 90,936			
CITY UNIVERSITY OF NEW YORK–MEDGAR EVERS COLLEGE ZIP CODE 11225			
JOHNSON, ROBERT W.	SCIENCE CAREER OPPORTUNITIES	5T34 GM07641-10	80,688
ORGANIZATION TOTAL 1 80,688			
CITY UNIVERSITY OF NEW YORK–MOUNT SINAI SCHOOL OF MEDICINE ZIP CODE 10029			
CHALMERS, THOMAS C.	SHORT-TERM RESEARCH TRAINING	5T35 DK07420-07	67,543
COHEN, BERNARD	INTERDISCIPLINARY RESEARCH TRAINING IN NEUROBIOLOGY	2T32 HS07245-04	138,470
DENNICK, ROBERT J.	MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES	5T32 HD07105-10	146,598
FLEISCHMAJER, RAUL	BASIC SCIENCES APPLIED TO DERMATOLOGY	5T32 AR07376-07	46,533
KRAUSMAN, HENRY A.	MEDICAL SCIENTIST	5T32 GM07280-10	321,346
TEICHOLZ, LOUIS E.	CARDIOVASCULOGY	5T32 HL07347-09	91,339
ZAROULIS, CHARLES G.	TRANSFUSION MEDICINE RESEARCH TRAINING PROGRAM	5T32 HL07559-04	106,177
ORGANIZATION TOTAL 7 916,006			
COLUMBIA UNIVERSITY–COLUMBIA UNIVERSITY NEW YORK ZIP CODE 10027			
BANK, ARTHUR	HEMATOLOGY TRAINING GRANT	5T32 DK07373-12	161,098
BANK, ARTHUR	HUMAN GENETICS AND DEVELOPMENT	5T32 GM07088-12	143,898
BANK, ARTHUR	HEALTH PROFESSIONAL TRAINING	5T35 HL07616-07	56,065
BIGGER, JOHN T, JR.	CARDIOVASCULAR RESEARCH	5T32 HL07406-08	122,215
BUTLER, VINCENT P, JR.	IMMUNOLOGY	5T32 AI07132-10	137,157
CALDWELL, PETER R.	LUNG INJURY AND RESPIRATORY FAILURE	5T32 HL07018-12	114,137
CARTER, CHARLES R.	CELL MOLECULAR AND DEVELOPMENTAL BIOLOGY OF CANCER	5T32 CA09503-03	267,542

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
CHIEN, SHU	RHEOLOGY IN CARDIOVASCULAR DISEASES	5T32 HL07114-12	145,560
EDELMAN, ISIDORE S	HORMONES: BIOCHEMSITRY AND MOLECULAR BIOLOGY	5T32 DK07328-09	161,483
ERLINGER, BERNARD F	INFECTIOUS DISEASES--MICROBIOLOGY	5T32 AI07161-09	161,979
FIELD, MICHAEL	GASTROENTEROLOGY RESEARCH TRAINING PROGRAM	5T32 DK07330-09	109,951
FRANTZ, ANDREW G	ENDOCRINOLOGY AND METABOLISM	5T32 DK07271-10	88,484
GERSHON, MICHAEL D	NEUROBIOLOGY	5T32 NS07062-11	132,486
GOODMAN, DE WITT S	ARTERIOSCLEROSIS RESEARCH	5T32 HL07343-09	200,228
HARBER, LEONARD C	PHOTOBIOLOGIC AND ENVIRONMENTAL FACTORS IN SKIN DISEASE	5T32 AR07171-10	62,767
HOFFMAN, BRIAN F	CARDIAC ARRHYTHMIAS: MECHANISMS AND TREATMENT	5T32 HL07271-10	77,716
JAGIELLO, GEORGIANA M	GENETIC AND HORMONE CONTROL OF GAMETOGENESIS	5T32 HD07093-10	58,771
KAMEN, PAUL R	HEALTH PROFESSIONAL TRAINING	5T35 DE07149-02	14,494
KARLIN, ARTHUR	MEMBRANE RECEPTORS AND TRANSPORT PROTEINS	5T32 NS07258-02	145,897
KELSEY, JENNIFER L	EPIDEMIOLOGY OF BONE DISEASES	5T32 AR07486-04	57,466
KELSEY, JENNIFER L	CANCER EPIDEMIOLOGY, BIOSTATISTICS	5T32 CA09529-02	125,511
MELLINS, ROBERT B	TRAINING PROGRAM IN PEDIATRIC PULMONARY RESEARCH	5T32 HL07421-08	155,438
ROTHSTEIN, RODNEY J	NRS POSTDOCTORAL INSTITUTIONAL FELLOWSHIP AWARD	5T32 GM07419-09	86,070
ROWLAND, LEWIS P	CLINICAL NEUROSCIENCES	5T32 NS07155-08	57,237
SCHACHTER, DAVID	MEDICAL SCIENTIST	5T32 GM07367-11	442,560
WANG, HSUEH-HWA	PHARMACOLOGICAL SCIENCES	5T32 GM07182-12	128,406
WINICK, MYRON	NUTRITION AND ORAL HEALTH	5T32 DE07138-04	86,744
WINICK, MYRON	GRADUATE TRAINING IN NUTRITION	5T32 DK07268-09	71,078
ORGANIZATION TOTAL	28 3,582,438		
CORNELL UNIVERSITY MEDICAL CENTER ZIP CODE 10021			
GRAFSTEIN, BERNICE	SHORT-TERM RESEARCH TRAINING	5T35 AG00086-07	43,600
GRAFSTEIN, BERNICE	NEUROPATHOLOGY	2T32 NS07138-06	20,408
LARAGH, JOHN H	PATHOGENESIS OF HYPERTENSION AND VASCULAR DISEASE	5T32 HL07379-09	200,544
WINICK, CHARLES R	CARDIOVASCULAR BIOLOGY AND ARTERIOSCLEROSIS	5T32 HL07423-07	67,014
NACHMIAN, RALPH L	BIOMEDICAL SCIENCES	5T32 GM07739-08	543,105
NACHMIAN, RALPH L	HEMATOLOGY	5T32 HL07029-12	107,434
PLUM, FRED	BRAIN METABOLISM & BLOOD FLOW IN EXPERIMENTAL STROKE	5T32 NS07141-08	117,282
REIDENBERG, MARCUS M	CLINICAL PHARMACOLOGY TRAINING	5T32 GM07488-08	60,128
REIS, DONALD J	CENTRAL NEURAL CONTROL OF THE CIRCULATION	5T32 HL07378-09	85,925
WINDHAGER, ERICH E	RENAL FUNCTION IN HEALTH AND DISEASE	2T32 DK07152-12	52,749
ZAKIM, DAVID	BIOMEDICAL RESEARCH PROGRAM IN DIGESTIVE DISEASES	5T32 DK07142-13	88,247
ORGANIZATION TOTAL	11 1,386,436		
FORDHAM UNIVERSITY ZIP CODE 10458			
CLARKE, DONALD D	MARC HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	1T34 GM08055-01A1	118,504
		NIGMS	93,504
		NIA	25,000
ORGANIZATION TOTAL	1 118,504		
HOSPITAL FOR SPECIAL SURGERY ZIP CODE 10021			
CHRISTIAN, CHARLES L	RHEUMATIC DISEASE RESEARCH TRAINING	5T32 AR07517-02	91,212
LANE, JOSEPH M	ORTHOPAEDIC RESEARCH TRAINING	5T32 AR07281-08	59,070
ORGANIZATION TOTAL	2 150,282		
MEMORIAL SLOAN-KETTERING CANCER CENTER--MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES ZIP CODE 10021			
HOLLAND, JIMMIE C	PSYCHIATRIC AND PAIN RESEARCH TRAINING IN CANCER	5T32 CA09461-03	114,480
RIFKIND, RICHARD A	CLINICAL SCHOLARS BIOMEDICAL RESEARCH TRAINING PROGRAM	5T32 CA09512-02	203,679
ORGANIZATION TOTAL	2 318,159		
MEMORIAL SLOAN-KETTERING CANCER CENTER--SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH ZIP CODE 10021			
BRENNAN, MURRAY F	SURGICAL ONCOLOGY RESEARCH TRAINING PROGRAM	5T32 CA09501-03	110,751
LAUGHLIN, JOHN S	RADIATION ONCOLOGY	5T32 CA09022-09	72,078
MENDELSOHN, JOHN	CANCER CHEMOTHERAPY	5T32 CA09207-10	427,121
RAVETCH, JEFFREY V	DEVELOPMENTAL GENETICS TRAINING PROGRAM	5T32 GM07718-07	45,954
SISKIND, GREGORY W	IMMUNOBIOLOGY OF AGING	5T32 AG00111-04	78,414
SOMERBERG, MARTIN	ENDOCRINE AND METABOLIC RESEARCH TRAINING PROGRAM	2T32 DK07313-09	142,348

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
STUTMAN, OSIAS	IMMUNOLOGY RESEARCH	2T32 CA09149-11	166,653
ORGANIZATION TOTAL	7 1,043,319		
MONTEFIORE MEDICAL CENTER ZIP CODE 10467			
SUNKS, MARTIN I	INVESTIGATIVE ENDOCRINOLOGY	5T32 DK07 [illegible]	88,452
ORGANIZATION TOTAL	1 88,452		
NEW YORK BLOOD CENTER ZIP CODE 10021			
RUBINSTEIN, PABLO	A RESEARCH TRAINING PROGRAM IN BLOOD BANKING SCIENCES	5T32 HL07331-09	114,815
ORGANIZATION TOTAL	1 114,815		
NEW YORK UNIVERSITY ZIP CODE 10003			
BLUM, RONALD H	TRAINING IN CANCER MEDICINE	5T32 CA09454-03	119,666
BURNS, FREDRICK J	ENVIRONMENTAL ONCOLOGY	5T32 ES07081-07	148,664
DEFENDI, VITTORIO	CANCER RESEARCH TRAINING PROGRAM	5T32 CA09161-12	195,747
DEFENDI, VITTORIO	BASIC PATHOBIOLOGY	5T32 GM07552-10	84,754
FREEDBERG, IRWIN M	RESEARCH TRAINING PROGRAM IN DERMATOLOGY	2T32 AR07190-12	97,094
LIPPMANN, MORTON	ENVIRONMENTAL TOXICOLOGY	5T32 ES07065-09	94,500
MAKFIELD, FREDERICK R	SHORT-TERM RESEARCH TRAINING	5T35 DK07421-07	63,547
SABATINI, DAVID D	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07238-12	98,311
SVELARSKI, MICHAEL L	MEDICAL SCIENTIST	5T32 GM07308-12	805,074
VILCEK, JAN T	INFECTIOUS DISEASES AND BASIC MICROBIOLOGICAL MECHANISMS	5T32 AI07180-07	270,365
WEISSMAN, GERALD	ARTHRITIS	2T32 AR07176-12	115,358
ORGANIZATION TOTAL	11 2,093,080		
ROCKEFELLER UNIVERSITY ZIP CODE 10021			
CARTER, D MARTIN	RESEARCH TRAINING IN DERMATOLOGY	1T32 AR07525-01	28,083
HANAFUSA, HIDESABURO	MECHANISMS IN VIRUS INFECTION AND TRANSFORMATION	2T32 AI07233-11	255,332
MARLER, PETER R	BIOLOGICAL BASIS OF BEHAVIOR	5T32 GM07524-10	114,717
ORGANIZATION TOTAL	3 398,132		
ST. LUKE'S-ROOSEVELT HOSPITAL CENTER ZIP CODE 10025			
HOLT, PETER R	DIGESTIVE DISEASE AND AGING TRAINING PROGRAM	1T32 AG00124-01	65,479
ORGANIZATION TOTAL	1 65,479		
STATE UNIVERSITY OF NEW YORK–HEALTH SCIENCE CENTER AT BROOKLYN ZIP CODE 11203			
AMASSIAN, VAHE E	NEUROPHYSIOLOGY	5T32 NS07117-08	58,436
DREIZEN, PAUL	SHORT-TERM RESEARCH TRAINING	5T35 HL07493-07	55,180
RIEDER, RONALD F	TRAINING FOR RESEARCH IN DISEASES OF BLOOD	5T32 DK07289-09	64,179
ORGANIZATION TOTAL	3 177,795		
STATE UNIVERSITY OF NEW YORK–STATE COLLEGE OF OPTOMETRY ZIP CODE 10010			
YAGER, C DEAN	SHORT-TERM RESEARCH TRAINING	5T35 EY07079-05	8,614
ORGANIZATION TOTAL	1 8,614		
YESHIVA UNIVERSITY ZIP CODE 10033			
ARONSON, RONALD S	CARDIOVASCULAR PHYSIOLOGY AND PATHOPHYSIOLOGY	5T32 HL07071-12	117,57[illegible]
BAUM, STEPHEN G	MEDICAL SCIENTIST	5T32 GM07288-12	732,497
BENNETT, MICHAEL V	NEUROSCIENCES	5T32 NS07183-07	123,113
EDER, HOWARD A	PLASMA LIPOPROTEINS AND APOPROTEINS	5T32 HL07[illegible]3-09	56,260
FLEISCHER, NORMAN S	DIABETES MELLITUS AND METABOLIC DISEASES	5T32 DK07329-09	155,405
HORWITZ, SUSAN B	PHARMACOLOGICAL SCIENCES	5T32 GM07260-12	103,311
KELLY, FRANK	VIRAL ONCOLOGY AND TUMOR BIOLOGY	5T32 CA09060-12	208,569
MAZRUR, JULIUS	GENETICS AND BIOCHEMISTRY OF CELLULAR REGULATION	5T32 GM07128-12	147,411
NAGEL, RONALD L	TRAINING IN RESEARCH IN RED BLOOD CELL	5T32 HL07556-04	44,842
NATHERSON, STANLEY G	IMMUNOLOGY AND IMMUNO-ONCOLOGY	5T32 CA09173-12	422,927
RAINE, CEDRIC S	EXPERIMENTAL NEUROPATHOLOGY	5T32 NS07098-09	163,677
RUBINSTEIN, ARYE	POSTDOCTORAL TRAINING PROGRAM IN RESPIRATORY BIOLOGY	2T32 HL07060-10	62,422
SATIR, PETER	CYTOSKELETAL ORGANIZATION AND MALIGNANT TRANSFORMATION	5T32 CA09475-03	107,507
SPITZER, ADRIAN	DEVELOPMENTAL RENAL AND ELECTROLYTE PHYSIOLOGY	5T32 DK07110-11	99,876
SPITZER, ADRIAN	HUMAN DEVELOPMENTAL BIOLOGY	2T32 HD07053-11	189,424

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
STEIGBIGEL, NEAL H	INFECTIOUS DISEASES--MICROBIOLOGY AND IMMUNOLOGY	5T32 AI07183-08	250,111
WARNER, JONATHAN	BIOMEDICAL SCIENCES	5T32 GM07491-10	168,462
WOLKOFF, ALLAN W	GASTROENTEROLOGY-HEPATOLOGY RESEARCH	2T32 DK07218-12	124,878
ZUKIN, RUTH S	TRAINING IN HORMONE-MEMBRANE INTERACTIONS	5T32 DK07513-02	132,869
ORGANIZATION TOTAL	19 3,411,134		
ROCHESTER			
EASTMAN DENTAL CENTER	**ZIP CODE 14620**		
MC HUGH, WILLIAM D	SHORT-TERM TRAINING	2T35 DE07096-06	13,044
POLSON, ALAN M	PERIODONTAL DISEASE	2T32 DE07061-09	91,569
ORGANIZATION TOTAL	2 104,613		
UNIVERSITY OF ROCHESTER	**ZIP CODE 14627**		
BOWEN, WILLIAM H	ROCHESTER CARIOLOGY TRAINING PROGRAM	5T32 DE07165-02	142,307
COHEN, HARVEY J	MEDICAL SCIENTIST TRAINING PROGRAM	5T32 GM07356-11	255,554
COHEN, NICHOLAS	PRE-AND POSTDOCTORAL TRAINING PROGRAM IN IMMUNOLOGY	1T32 AI07285-01A1	138,755
COLEMAN, PAUL D	TRAINING IN GERIATICS AND NEUROBIOLOGY OF AGING	5T32 AG00107-03	157,950
HERSHAW, EDGAR C	CANCER RESEARCH TRAINING-EXPERIMENTAL THERAPY MODELS	5T32 CA09363-07	138,582
HOOD, WILLIAM B, JR	CARDIOLOGY	5T32 HL07220-10	78,765
HYDE, RICHARD W	MULTIDISCIPLINARY TRAINING IN PULMONARY RESEARCH	2T32 HL07216-11	166,980
LATIES, VICTOR G	TRAINING IN ENVIRONMENTAL TOXICOLOGY	5T32 ES07026-09	466,697
LICHTMAN, MARSHALL A	HEMATOLOGY	5T32 HL07152-12	161,220
LOCKWOOD, DEAN H	INVESTIGATIVE DIABETES ENDOCRINOLOGY AND METABOLISM	5T32 DK07092-12	113,608
SPAR, IRVING L	SHORT-TERM RESEARCH TRAINING	5T35 HL07496-07	63,963
ORGANIZATION TOTAL	11 1,884,381		
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK	**ZIP CODE 11794**		
GROLLMAN, ARTHUR P	PHARMACOLOGICAL SCIENCES	5T32 GM07518-10	75,822
INOUYE, MASAYORI	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM08065-04	55,178
JANOFF, AARON	ENVIRONMENTAL PATHOLOGY OF THE RESPIRATORY SYSTEM	5T32 ES07088-08	180,231
KAPLAN, ALLEN P	POST DOCTORAL FELLOWSHIP IN RHEUMATOLOGY	3T32 AR07459-03S1	4,319
KAPLAN, ALLEN P	POST DOCTORAL FELLOWSHIP IN RHEUMATOLOGY	5T32 AR07459-04	28,624
WIMMER, ECKARD A	VIRAL ONCOLOGY	5T32 CA09176 10	215,121
ORGANIZATION TOTAL	6 559,295		
TROY			
RENSSELAER POLYTECHNIC INSTITUTE	**ZIP CODE 12181**		
KATZ, J LAWRENCE	DENTAL MATERIALS SCIENCE	3T32 DE07054-10S1	93,161
ORGANIZATION TOTAL	1 93,161		
STATE TOTAL	154 20,339,097		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	**ZIP CODE 27514**		
BOTT, KENNETH F	GENETICS	5T32 GM07092-12	108,125
BRIGGAMAN, ROBERT A	TRAINING GRANT IN DERMATOLOGIC RESEARCH	5T32 AR07369-07	30,333
BROMBERG, PHILIP A	RESPIRATORY DISEASES--MULTIDISCIPLINARY	5T32 HL07106-12	200,443
CLYDE, WALLACE A, JR	INFECTIOUS DISEASE PATHOGENESIS TRAINING	5T32 AI07151-09	115,290
FINN, ARTHUR L	SHORT-TERM RESEARCH TRAINING	5T35 DK07386-07	42,384
FRELINGER, JEFFREY A	BASIC IMMUNE MECHANISMS	5T32 AI07273-03	98,428
FRENCH, FRANK S	LABORATORIES FOR REPRODUCTIVE BIOLOGY TRAINING	1T32 HD07315-01	49,905

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NORTH CAROLINA—Continued			
GETTES, LEONARD S	SELECTED TOPICS IN CARDIOLOGY	5T32 HL07470-07	63,826
GOTTSCHALK, CARL W	KIDNEY AND MEMBRANE PHYSIOLOGY AND DISEASE	5T32 DK07047-13	98,421
GRAHAM, JOHN B	EXPERIMENTAL HEMATOLOGY	5T32 HL07255-10	102,888
GRISHAM, JOE W	ENVIRONMENTAL PATHOLOGY	5T32 ES07017-12	170,406
GRIZZLE, JAMES E	CARDIOVASCULAR BIOSTATISTICS FOR MINORITY UNDERGRADS	5T35 HL07569-03	13,830
HULKA, BARBARA S	CANCER EPIDEMIOLOGY	5T32 CA09330-07	132,999
JUPPER, LAWRENCE L	BIOSTATISTICS FOR RESEARCH IN ENVIRONMENTAL HEALTH	5T32 ES07018-10	91,067
MIYA, TOM S	TOXICOLOGY	5T32 ES07126-05	333,543
MORELL, PIERRE	NEUROBIOLOGY	5T32 NS07166-08	113,096
PAGANO, JOSEPH S	BASIC MECHANISMS OF VIRAL AND CHEMICAL CARCINOGENESIS	5T32 CA09156-12	182,195
POWELL, DON W	GASTROENTEROLOGY RESEARCH TRAINING PROGRAM	5T32 DK07463-04	89,991
ROBERTS, HAROLD R	HEMATOLOGY AND ONCOLOGY	2T32 HL07149-11	150,000
SPARLING, PHILIP F	STD TRAINING PROGRAM	5T32 AI07001-11	84,185
SUCHINDRAN, CHIRAYATH M	POPULATION STATISTICS	5T32 HD07237-04	83,442
SUZUKI, KUNIHIKO	MENTAL RETARDATION--INTERDISCIPLINARY	5T32 HD07201-08	112,313
THURMAN, RONALD G	PHARMACOLOGICAL SCIENCES	5T32 GM07040-12	67,728
TYROLER, HERMAN A	CARDIOVASCULAR EPIDEMIOLOGY	2T32 HL07055-11A1	62,172
UDRY, J RICHARD	POPULATION STUDIES	5T32 HD07168-08	229,797
		NICHD	201,065
		NIA	28,732
VAN WYK, JUDSON J	TRAINING PROGRAM IN ENDOCRINOLOGY & METABOLISM	5T32 DK07129-13	146,035
WINFIELD, JOHN B	ARTHRITIS AND IMMUNOLOGY	5T32 AR07416-06	136,427
ORGANIZATION TOTAL	27 3,109,269		

CHARLOTTE

JOHNSON C. SMITH UNIVERSITY ZIP CODE 28216

CHOPRA, BALDEO K	HOPKINS UNDERGRADUATE RESEARCH TRAINING PROGRAM	5T34 GM07652-09	106,134
ORGANIZATION TOTAL	1 106,134		

DURHAM

DUKE UNIVERSITY ZIP CODE 27706

AMOS, DENNIS B	FUNDAMENTAL AND APPLIED IMMUNOLOGY	5T32 AI07240-05	150,309
AMOS, DENNIS B	TUMOR IMMUNOLOGY AND IMMUNOGENETICS	5T32 CA09058-12	297,565
ANTONOVICS, JANIS	GENETICS	5T32 GM07754-08	120,083
BAST, ROBERT C, JR	CANCER CHEMOTHERAPY	5T32 CA09307-09	169,484
BUCKLEY, REBECCA H	ALLERGY AND CLINICAL IMMUNOLOGY	5T32 AI07062-10	122,998
COLEMAN, R EDWARD	RESEARCH TRAINING IN NONINVASIVE CARDIOLOGY	5T32 HL07503-04	62,833
CRAPO, JAMES D	INTERDISCIPLINARY LUNG DISEASE	5T32 HL07538-05	165,414
DAVIS, JAMES N	CEREBROVASCULAR RESEARCH TRAINING PROGRAM	5T32 NS07274-02	124,5s7
DREZNER, MARC K	ENDOCRINOLOGY AND DIABETES TRAINING PROGRAM	2T32 DK07012-11A1	86,598
GRAHAM, DOYLE G	INTEGRATED TOXICOLOGY	5T32 ES07031-09	203,999
GREENFIELD, JOSEPH C, JR	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	5T32 HL07101-12	405,518
HILL, ROBERT L	MEDICAL SCIENTIST	5T32 GM07171-12	605,970
HILL, ROBERT L	ORGANIZATION AND FUNCTIONS OF CELLULAR STRUCTURES	5T32 GM07184-12	402,607
JORLIK, WOLFGANG K	BASIC MECHANISMS IN INFECTIOUS DISEASES	5T32 AI07148-09	150,548
JORLIK, WOLFGANG K	VIRAL ONCOLOGY	5T32 CA09111-12	256,577
OTTOLENGHI, ATHOS	PHARMACOLOGICAL SCIENCES	5T32 GM07105-12	95,143
PILKINGTON, THEO C	TRAINING OF CARDIOVASCULAR BIOMEDICAL ENGINEERS	2T32 HL07063-11	143,884
PINNELL, SHELDON R	DERMATOLOGY TRAINING PROGRAM	5T32 AR07093-12	36,284
RAVIN, CARL E	RESEARCH TRAINING IN NEW IMAGING TECHNOLOGY	5T32 CA09489-03	96,658
ROSSE, WENDELL F	BLOOD BANKING SCIENCES AND RELATED AREAS	5T32 HL07057-12	194,061
SIEGLER, ILENE C	BEHAVIOR AND PHYSIOLOGY IN AGING	5T32 AG00029-11	224,764
SNYDERMAN, RALPH J	INFLAMMATORY AND IMMUNOLOGICAL DISEASES	5T32 AI07217-07	134,677
ORGANIZATION TOTAL	22 4,250,511		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
NORTH CAROLINA—Continued			
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA CENTRAL UNIVERSITY ZIP CODE 27707			
RUFFIN, JOHN	BIOMEDICAL SCIENCES	5T34 GM07668-07	186,533
ORGANIZATION TOTAL	1 186,533		
GREENSBORO			
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY ZIP CODE 27411			
DE LAUDER, WILLIAM B	BIOMEDICAL SCIENCES	5T34 GM07649-08	136,284
ORGANIZATION TOTAL	1 136,284		
PEMBROKE			
UNIVERSITY OF NORTH CAROLINA SYSTEM–PEMBROKE STATE UNIVERSITY ZIP CODE 28372			
MAXWELL, HAROLD D	MARC TRAINING PROGRAM	5T34 GM08037-03	113,884
ORGANIZATION TOTAL	1 113,884		
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA STATE UNIVERSITY AT RALEIGH ZIP CODE 27607			
GUTHRIE, FRANK E	MOLECULAR AND ENVIRONMENTAL TOXICOLOGY	5T32 ES07046-10	129,511
ORGANIZATION TOTAL	1 129,511		
WINSTON-SALEM			
WAKE FOREST UNIVERSITY ZIP CODE 27109			
BAKER, HENRY	LABORATORY ANIMAL AND COMPARATIVE MEDICINE	5T32 RR07009-10	105,632
HUTCHINS, PHILLIP M	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07304-10	33,935
MORAN, PAUL R	RESEARCH TRAINING IN NMR IMAGING	5T32 CA09487-03	71,280
ST CLAIR, RICHARD W	SHORT-TERM RESEARCH TRAINING	5T35 DK07400 07	33,417
ST CLAIR, RICHARD W	CARDIOVASCULAR PATHOLOGY	5T32 HL07115-12	185,090
WAITE, B MOSELEY	CELL BIOLOGY AND PHARMACOLOGY OF CANCER	2T32 CA09422-06	98,104
ORGANIZATION TOTAL	6 527,458		
STATE TOTAL	60 8,559,584		
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER ZIP CODE 45229			
KAPLAN, SAMUEL	CARDIOVASCULAR DISEASE OF THE YOUNG	5T32 HL07417-09	63,729
ZIMMERMAN, ERNEST F	TERATOLOGY	5T32 ES07051-10	49,951
ORGANIZATION TOTAL	2 113,680		
UNIVERSITY OF CINCINNATI AT CINCINNATI ZIP CODE 45221			
HARMONY, JUDITH A	MOLECULAR AND CELLULAR BIOLOGY	5T32 HL07527-05	72,223
SCHWARTZ, ARNOLD	CARDIOVASCULAR BIOLOGY	5T32 HL07382-10	194,001
SPERELAKIS, NICHOLAS	TRAINING IN SMOOTH AND CARDIAC MUSCLE BIOLOGY	5T32 HL07571-03	176,439
SUBBIAH, RAVI M	LIPIDS, ATHEROSCLEROSIS, AND NUTRITION	5T32 HL07460-07	111,493
TSANG, REGINALD C	PERINATOLOGY	5T32 HD07200-08	117,084
ORGANIZATION TOTAL	5 671,240		
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY ZIP CODE 44106			
CAPLAN, ARNOLD I	CELL AND MOLECULAR AGING TRAINING GRANT	3T32 AG00105-02S1	15,124
CAPLAN, ARNOLD I	CELL AND MOLECULAR AGING TRAINING GRANT	5T32 AG00105-03	138,586

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
OHIO—Continued			
CHERNIACK, NEIL S	RESPIRATORY DISEASES	5T32 HL07288-10	154,911
CHERNIACK, NEIL S	SHORT-TERM RESEARCH TRAINING	5T35 HL07592-02	50,728
DETTERMAN, DOUGLAS K	MENTAL RETARDATION RESEARCH TRAINING IN PSYCHOLOGY	5T32 HD07176-07	83,237
DOERSHUK, CARL F	PEDIATRIC PULMONARY DISEASE AND CYSTIC FIBROSIS	5T32 HL07415-08	153,997
DUNN, MICHAEL J	CWRU NEPHROLOGY TRAINING PROGRAM	5T32 DK07470-04	29,242
EVANS, HELEN H	ENVIRONMENTAL BIOLOGY	5T32 ES07080-05	102,631
FANAROFF, AVROY A	NEONATAL RESPIRATORY RESEARCH	5T32 HD07132-09	57,352
HANSON, RICHARD W	TRAINING IN METABOLISM	5T32 DK07319-08	279,729
HARRIS, JOHN W	HEMATOLOGY	5T32 HL07147-12	116,975
KAYONA, PETER G	BIOMEDICAL ENGINEERING/SYSTEMS & INTEGRATIVE BIOLOGY	5T32 GM07535-10	48,553
LASEK, RAYMOND J	DEVELOPMENTAL NEUROLOGY	5T32 NS07118-09	129,709
MAHMOUD, ADEL A	TRAINING IN GEOGRAPHIC MEDICINE & INFECTIOUS DISEASE	5T32 AI07024-09	82,223
MAHOWALD, ANTHONY P	NORMAL AND ABNORMAL DEVELOPMENT	2T32 HD07104-10	203,113
MOSKOWITZ, ROLAND W	TRAINING PROGRAM IN MUSCULOSKELETAL RESEARCH	5T32 AR07505-02	114,605
NORDLANDER, RUTH H	SHORT TERM TRAINING--STUDENTS IN HEALTH PROFESSIONS	5T35 DE07158-02	10,870
ROTTMAN, FRITZ M	GRADUATE TRAINING IN CELLULAR AND MOLECULAR BIOLOGY	5T32 GM08056-04	79,738
WEBSTER, LESLIE T, JR	MEDICAL SCIENTIST	5T32 GM07250-11	403,042
WEBSTER, LESLIE T, JR	PHARMACOLOGY	5T32 GM07382-10	100,063
ORGANIZATION TOTAL	20 2,424,428		
CLEVELAND CLINIC FOUNDATION	**ZIP CODE 44106**		
KHAIRALLAH, PHILIP A	STUDIES IN CARDIOVASCULAR DISEASES	5T32 HL07242-09	118,248
ORGANIZATION TOTAL	1 118,248		
COLUMBUS			
OHIO STATE UNIVERSITY	**ZIP CODE 43210**		
BALCERZAK, STANLEY P	ONCOLOGY	5T32 CA09338-09	150,751
HORROCKS, LLOYD A	BIOCHEMICAL NEUROPATHOLOGY	5T32 NS07091-10	79,235
MILO, GEORGE E	CARCINOGENESIS MOLECULAR AND CELLULAR BIOLOGY	5T32 CA09498-03	146,222
ROSEN, SAMUEL C	SHORT TERM TRAINING	5T35 DE07155-02	13,044
ORGANIZATION TOTAL	4 389,252		
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO	**ZIP CODE 43699**		
RAPP, JOHN P	HYPERTENSION	5T32 HL07357-09	121,202
ORGANIZATION TOTAL	1 121,202		
WILBERFORCE			
CENTRAL STATE UNIVERSITY	**ZIP CODE 45384**		
WASHINGTON, VYLLIE J	BIOMEDICAL SCIENCES	5T34 GM08007-05	115,333
ORGANIZATION TOTAL	1 115,333		
STATE TOTAL	34 3,953,383		
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER	**ZIP CODE 73190**		
TAYLOR, FLETCHER B, JR	HEMATOLOGY	2T32 HL07207-11	53,696
ORGANIZATION TOTAL	1 53,696		
STATE TOTAL	1 53,696		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM–OREGON STATE UNIVERSITY ZIP CODE 97331			
MATHEWS, CHRISTOPHER K	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07774-07	69,971
TINSLEY, IAN J	ENVIRONMENTAL TOXICOLOGY	5T32 ES07060-08	116,382
ORGANIZATION TOTAL	2 186,353		
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM–UNIVERSITY OF OREGON ZIP CODE 97403			
FERNALD, RUSSELL D	SYSTEMS PHYSIOLOGY TRAINING PROGRAM	5T32 GM07257-12	82,157
MATTHEWS, BRIAN W	MOLECULAR BIOLOGY	5T32 GM07759-08	164,029
POSTLETHWAIT, JOHN H	GENETICS	5T32 GM07413-10	118,214
ORGANIZATION TOTAL	3 364,400		
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM–OREGON HEALTH SCIENCES UNIVERSITY ZIP CODE 97201			
BRISTOW, JOHN D	CARDIOVASCULAR RESEARCH	5T32 HL07596-02	175,591
CONNOR, WILLIAM E	NUTRITION AND ATHEROSCLEROSIS	5T32 HL07295-10	142,874
MATTAZZO, JOSEPH D	BEHAVIOR RESEARCH TRAINING IN CARDIOVASCULAR FUNCTION	5T32 HL07332-09	125,084
RESKO, JOHN A	REPRODUCTIVE BIOLOGY–MULTIDISCIPLINARY	5T32 HD07133-09	73,296
WUEPPER, KIRK D	MULTIDISCIPLINARY DERMATOLOGY	5T32 AR07153-11	60,702
ORGANIZATION TOTAL	5 577,547		
STATE TOTAL	10 1,128,300		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER ZIP CODE 17033			
BIEBUYCK, JULIEN F	SHORT-TERM RESEARCH TRAINING	5T35 HL07477-07	52,177
LANG, C MAX	LABORATORY ANIMAL MEDICINE	5T32 RR07006-10	68,662
MORGAN, HOWARD E	CELLULAR BIOLOGY–HEART	2T32 HL07223-11	155,429
RAPP, FRED	VIRUSES AND CANCER	5T32 CA09124-09	127,595
ORGANIZATION TOTAL	4 403,863		
LINCOLN UNIVERSITY			
LINCOLN UNIVERSITY ZIP CODE 19352			
SUBBARAO, SALIGRAMA C	LINCOLN MARC HONORS PROGRAM	5T34 GM08004-04	98,490
ORGANIZATION TOTAL	1 98,490		
PHILADELPHIA			
CHILDREN'S HOSPITAL OF PHILADELPHIA ZIP CODE 19104			
PLOTKIN, STANLEY A	VIROLOGY AND INFECTIOUS DISEASES	5T32 AI07278-03	122,472
SCHWARTZ, ELIAS	RED CELL HEMOGLOBIN RESEARCH TRAINING PROGRAM	5T32 HL07150-12	59,492
SEGAL, STANTON	INHERITED METABOLIC DISEASES AND MENTAL RETARDATION	5T32 HD07107-10	150,183
ORGANIZATION TOTAL	3 332,147		
INSTITUTE FOR CANCER RESEARCH ZIP CODE 19111			
FREED, JEROME J	CANCER RESEARCH	5T32 CA09035-12	341,444
ORGANIZATION TOTAL	1 341,444		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
PENNSYLVANIA—Continued			
MEDICAL COLLEGE OF PENNSYLVANIA ZIP CODE 19129			
PHILLIPS, MICHAEL C	PHYSIOLOGY AND BIOCHEMISTRY OF ARTERIOSCLEROSIS	5T32 HL07443-07	131,816
ROSS, LEONARD L	NEUROBIOLOGY OF DEVELOPMENT AND REGENERATION	1T32 NS07287-01	40,815
ORGANIZATION TOTAL	2 172,631		
MONELL CHEMICAL SENSES CENTER ZIP CODE 19104			
KARE, MORLEY R	CHEMICAL SENSES--INTERDISCIPLINARY	5T32 NS07176-08	73,907
ORGANIZATION TOTAL	1 73,907		
TEMPLE UNIVERSITY ZIP CODE 19122			
ALTER, MILTON	TRAINING PROGRAM IN NEUROEPIDEMIOLOGY	5T32 NS07256-03	140,798
COLMAN, ROBERT W	THROMBOSIS AND HEMOSTASIS	5T32 HL07248-10	122,933
KUEPPERS, FRIEDRICH	EXPERIMENTAL OBSTRUCTIVE LUNG DISEASES	5T32 HL07414-07	79,136
MAGEE, PETER N	CANCER AND CANCER RELATED RESEARCH	5T32 CA09214-09	145,773
PLAUT, GERHARD W	BIOCHEMICAL ENDOCRINOLOGY RELATED TO DIABETES	5T32 DK07162-10	143,612
SHOCKMAN, GERALD D	MICROBIOLOGY AND IMMUNOLOGY	5T32 AI07101-09	93,126
ORGANIZATION TOTAL	6 725,378		
THOMAS JEFFERSON UNIVERSITY ZIP CODE 19107			
BRENT, ROBERT L	DEVELOPMENTAL BIOLOGY TRAINING PROGRAM	5T32 HD07075-10	44,326
BRENT, ROBERT L	SHORT-TERM RESEARCH TRAINING	5T35 HL07497-07	42,490
JOHNSON, E MARSHALL	TERATOLOGY RESEARCH TRAINING PROGRAM	1T32 HD07326-01	92,500
LEFER, ALLAN M	CARDIOVASCULAR REGULATION AND PERFORMANCE	5T32 HL07599-02	48,600
SHAPIRO, SANDOR S	RESEARCH TRAINING IN HEMATOLOGY	5T32 DK07084-12	91,595
SHAPIRO, SANDOR S	HEMOSTASIS AND THROMBOSIS	5T32 HL07371-09	78,333
ORGANIZATION TOTAL	6 397,844		
UNIVERSITY OF PENNSYLVANIA ZIP CODE 19104			
AGUS, ZALMAN S	RENAL PATHOPHYSIOLOGY IN CARDIAC AND RENAL DISEASE	5T32 DK07006-13	157,026
BRIGHTMAN, VERNON J	SHORT-TERM RESEARCH TRAINING	2T35 DE07126-06	17,392
BRIGHTON, CARL T	TRAINING IN BONE AND CARTILAGE RESEARCH	2T32 AR07132-12	51,107
BROOKS, FRANK P	MECHANISMS OF GASTROINTESTINAL DISEASE	5T32 DK07066-12	165,073
CEBRA, JOHN J	IMMUNOBIOLOGY OF NORMAL AND NEOPLASTIC LYMPHOCYTES	5T32 CA09140-12	495,357
CORTNER, JEAN A	HUMAN GENETICS	5T32 GM07511-10	113,562
CRISTOFALO, VINCENT J	TRAINING IN CELLULAR AND MOLECULAR ASPECTS OF AGING	1T32 AG00131-01	129,694
DANIELE, RUNALD P	PULMONARY IMMUNOLOGY AND LUNG FIBROSIS	5T32 HL07586-02	122,969
FERGUSON, JAMES J, JR	MEDICAL SCIENTIST	5T32 GM07170-12	865,769
FERGUSON, JAMES J, JR	SHORT-TERM RESEARCH TRAINING	5T35 HD07217-05	43,480
FISHMAN, ALFRED P	CARDIOPULMONOLOGY	2T32 HL07000-[illegible]A1	162,020
FORSTER, ROBERT E, II	INTEGRATIVE AND THEORETICAL BIOLOGY	5T32 GM07517-09	120,389
FORSTER, ROBERT E, II	PULMONARY PHYSIOLOGY LUNG STRUCTURE AND FUNCTION	5T32 HL07027-12	183,285
GONATAS, NICHOLAS K	NEUROPATHOBIOLOGY	5T32 NS07064-07	56,854
HADDAD, JOHN G, JR	RESEARCH IN MINERAL AND SKELETAL HOMEOSTASIS	3T32 AR07481-02S1	1,860
HADDAD, JOHN G, JR	RESEARCH IN MINERAL AND SKELETAL HOMEOSTASIS	5T32 AR07481-03	128,694
HOLTZER, HOWARD	CELL DIFFERENTIATION	5T32 HD07152-09	111,378
JARETT, LEONARD	BASIC APPROACHES TO DIABETES RESEARCH	5T32 DK07409-06	45,398
JEGASOTHY, BRIAN V	DERMATOLOGY RESEARCH TRAINING GRANT	5T32 AR07465-04	35,888
JOSEPH, PETER M	POSTDOCTORAL TRAINING IN NMR IMAGING PHYSICS	5T32 CA09524-02	81,956
JOSEPHSON, MARK E	CLINICAL AND EXPERIMENTAL CARDIAC ELECTROPHYSIOLOGY	5T32 HL07346-09	184,570
KEFALIDES, NICHOLAS A	BIOCHEMISTRY AND MOLECULAR BIOLOGY OF CONNECTIVE TISSUES	5T32 AR07490-03	104,953
KRITCHEVSKY, DAVID	INSTITUTIONAL NATIONAL RESEARCH SERVICE AWARD	5T32 DK07452-04	115,526
LASH, JAMES W	ANALYSIS OF DEVELOPMENT	5T32 HD07067-09	70,674
MOLINOFF, PERRY B	PREDOCTORAL TRAINING PROGRAM IN PHARMACOLOGY	5T32 GM08076-03	109,563
MULLEN, JAMES L	CANCER AND NUTRITION	5T32 CA09430-05	132,100
NATHANSON, NEAL	NEUROVIROLOGY	5T32 NS07180-07	158,800
NOWOTNY, ALOIS H	PERIODONTICS--IMMUNOLOGY, MICROBIOLOGY, & PATHOLOGY	5T32 DE07085-07	38,680
PEACHEY, LEE D	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07229-12	411,707
PRESTON, SAMUEL H	DEMOGRAPHY	5T32 HD07242-05	104,710
		NICHD	75,654

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
PENNSYLVANIA—Continued			
		NIA	29,056
SHATTIL, SANFORD J	HEMATOLOGY CLINICAL RESEARCH	5T32 HL07439-08	186,040
SORLYO, ANDREW P	CARDIOVASCULAR TRAINING IN ELECTRON OPTICAL RESEARCH	2T32 HL07499-06	121,016
SORLYO, ANDREW P	CARDIOVASCULAR RESEARCH	5T32 HL07502-07	175,918
STRAUSS, JEROME F, III	RESEARCH AND TRAINING IN REPRODUCTIVE BIOLOGY	1T32 HD07305-01A1	53,238
WINEGRAD, ALBERT I	DIABETES, ENDOCRINE, AND METABOLIC DISEASES	5T32 DK07314-08	92,481
WOLLMAN, HARRY	ANESTHESIOLOGY	5T32 GM07612-09	68,593
ZURIER, ROBERT B	RHEUMATIC DISEASES	5T32 AR07442-05	124,472
ORGANIZATION TOTAL	37 5,342,192		
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY ZIP CODE 19104			
CROCE, CARLO M	GENE EXPRESSION IN NORMAL AND MALIGNANT CELLS	5T32 CA09485-03	190,043
KOPROWSKI, HILARY	BASIC CANCER RESEARCH	2T32 CA09171-11	267,710
ORGANIZATION TOTAL	2 457,753		
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY ZIP CODE 15213			
ANDERSON, JOHN L	BIOTECHNOLOGY PROGRAM	5T32 GM07477-09	89,168
HO, CHIEN	PREDOCTORAL TRAINING IN CELLULAR AND MOLECULAR BIOLOGY	5T32 GM08067-04	95,401
ORGANIZATION TOTAL	2 184,569		
CHILDREN'S HOSPITAL OF PITTSBURGH ZIP CODE 15213			
STOOL, SYLVAN E	RESEARCH TRAINING IN PEDIATRIC OTOLARYNGOLOGY	5T32 NS07270-02	73,064
ORGANIZATION TOTAL	1 73,064		
ONCOLOGY NURSING SOCIETY ZIP CODE 15216			
LINDSEY, ADA M	CANCER NURSING RESEARCH COURSE	5T35 CA09486-03	19,257
STROMBERG, MARILYN F	CANCER CONTINUING EDUCATION COURCES FOR BLACK NURSES	1T14 CA09554-01	181,701
ORGANIZATION TOTAL	2 200,958		
UNIVERSITY OF PITTSBURGH AT PITTSBURGH ZIP CODE 15260			
CHERVENICK, PAUL A	HEMATOLOGY AND ONCOLOGY	5T32 DK07040-10	38,561
KULLER, LEWIS H	CARDIOVASCULAR EPIDEMIOLOGY AND PREVENTION	5T32 HL07011-12	218,808
		NHLBI	149,438
		NIA	69,370
LEVEY, GERALD S	PHYSICIAN-INVESTIGATOR TRAINING PROGRAM	5T32 DK07458-04	160,349
MATTHEWS, KAREN A	CARDIOVASCULAR BEHAVIORAL MEDICINE RESEARCH TRAINING	5T32 HL07560-04	165,283
ROBINSON, ALAN G	RESEARCH TRAINING IN DIABETES AND ENDOCRINOLOGY	5T32 DK07052-13	58,966
ROGERS, ROBERT M	MULTIDISCIPLINARY PULMONARY RESEARCH TRAINING	5T32 HL07563-03	89,402
ORGANIZATION TOTAL	6 731,369		
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK ZIP CODE 16802			
NESSELROADE, JOHN R	TRAINING IN AGING RESEARCH METHODOLOGY	5T32 AG00110-02	112,087
ZARIT, STEVEN H	GERONTOLOGY	5T32 AG00048-10	129,526
ORGANIZATION TOTAL	2 241,613		
STATE TOTAL	76 9,777,222		
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY ZIP CODE 02912			
GERBI, SUSAN A	MOLECULAR AND CELL BIOLOGY	5T32 GM07601-08	120,721

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director		General area of training	Grant number	Dollars
RHODE ISLAND—Continued				
GOLDSTEIN, SIDNEY		POPULATION AND SOCIAL CHANGE	9T32 AG00140-11	46,000
ORGANIZATION TOTAL	2	166,721		
WOMEN AND INFANTS HOSPITAL OF RHODE ISLAND ZIP CODE 02905				
OH, WILLIAM		PERINATAL BIOLOGY	5T32 HD07232-05	116,689
ORGANIZATION TOTAL	1	116,689		
STATE TOTAL	3	283,410		
SOUTH CAROLINA				
CHARLESTON				
MEDICAL UNIVERSITY OF SOUTH CAROLINA ZIP CODE 29403				
MARGOLIUS, HARRY S		IMPROVE CARDIOVASCULAR DRUG THERAPY	5T32 HL07260-10	85,518
MILLER, MILLAGE C. III		CARDIOMETRICAL SCIENTIST	5T32 HL07364-07	49,079
ORGANIZATION TOTAL	2	134,597		
COLUMBIA				
BENEDICT COLLEGE ZIP CODE 29204				
FINLAY, MARY F		BIOLOGY AND CHEMISTRY	5T34 GM07643-10	80,951
ORGANIZATION TOTAL	1	80,951		
STATE TOTAL	3	215,548		
TENNESSEE				
KNOXVILLE				
UNIVERSITY OF TENNESSEE SYSTEM–UNIVERSITY OF TENNESSEE AT KNOXVILLE ZIP CODE 37916				
BROWN, ARTHUR		MICROBIOLOGY: HOST-MICROBE INTERACTIONS	5T32 AI07123-08	98,752
BURGHARDT, GORDON M		COMMUNICATION DEVELOPMENT, GENETICS, AND PHYSIOLOGY	1T32 HD07303-01A1	63,584
KENNEY, FRANCIS T		CARCINOGENESIS	5T32 CA09104-12	73,576
KENNEY, FRANCIS T		CARCINOGENESIS	5T32 CA09336-08	119,210
POPP, RAYMOND A		GENETICS	5T32 GM07438-10	170,988
ULLRICH, ROBERT L		GRADUATE TRAINING IN RADIATION BIOLOGY	5T32 CA09453-04	68,255
ORGANIZATION TOTAL	6	594,365		
MEMPHIS				
ST. JUDE CHILDREN'S RESEARCH HOSPITAL ZIP CODE 38101				
FISHMAN, MARVIN		TRAINING IN THE BIOLOGY OF CANCER	5T32 CA09346-07	138,461
ORGANIZATION TOTAL	1	138,461		
UNIVERSITY OF TENNESSEE SYSTEM–UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES ZIP CODE 38163				
BEACHEY, EDWIN H		INFECTIOUS DISEASES, MICROBIOLOGY, AND IMMUNOLOGY	5T32 AI07238-05	169,475
CARDOSO, SERGIO S		MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07389-09	35,429
POSTLETHWAITE, ARNOLD E		RESEARCH TRAINING IN CONNECTIVE TISSUE DISEASES	3T32 AR07317-08S1	5,943
POSTLETHWAITE, ARNOLD E		RESEARCH TRAINING IN CONNECTIVE TISSUE DISEASES	5T32 AR07317-09	130,223
SHARE, LEONARD		HYPERTENSION	5T32 HL07339-09	85,182
ORGANIZATION TOTAL	5	426,249		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
TENNESSEE—Continued			
NASHVILLE			
FISK UNIVERSITY ZIP CODE 37203			
MC KELVEY, MARY E	BIOMEDICAL SCIENCES	5T34 GM07675-09	136,191
ORGANIZATION TOTAL	1 136,191		
MEHARRY MEDICAL COLLEGE ZIP CODE 37208			
HILL, GEORGE C	MOLECULAR BIOLOGY STUDIES ON TROPICAL DISEASES	5T32 AI07281-02	111,833
ORGANIZATION TOTAL	1 111,833		
STATE UNIVERSITY AND COMMUNITY COLLEGE SYSTEM OF TENNESSEE—TENNESSEE STATE UNIVERSITY ZIP CODE 37203			
KAHLON, PREM S	BIOMEDICAL SCIENCES	5T34 GM07663-07	66,244
ORGANIZATION TOTAL	1 66,244		
VANDERBILT UNIVERSITY ZIP CODE 37240			
ALTEMEIER, WILLIAM A	RESEARCH TRAINING PROGRAM IN BEHAVIORAL PEDIATRICS	1T32 HD07285-01A1	62,452
BINGHAM, KENNETH L	PATHOPHYSIOLOGY OF THE PULMONARY MICROCIRCULATION	5T32 HL07123-12	292,684
BINGHAM, KENNETH L	MINORITY SUMMER PROGRAM IN PULMONARY RESEARCH	5T35 HL07597-02	27,783
BROOKS, PENELOPE H	MENTAL RETARDATION--BEHAVIORAL	5T32 HD07226-08	161,444
CHYTIL, FRANK	REPRODUCTIVE BIOLOGY, BIOCHEMISTRY, AND ENDOCRINOLOGY	5T32 HD07043-12	133,723
CROFFORD, OSCAR B	RESEARCH TRAINING IN DIABETES AND ENDOCRINOLOGY	5T32 DK07061-13	187,006
CROFFORD, OSCAR B	SHORT-TERM RESEARCH TRAINING	5T35 DK07383-07	54,351
ELLIOTT, JAMES H	VISUAL SCIENCES RESEARCH TRAINING PROGRAM	2T32 EY07007-08A1	126,698
EXTON, JOHN H	MEDICAL SCIENTIST TRAINING PROGRAM	5T32 GM07347-08	272,028
FRIESINGER, GOTTLIEB C	PHARMACOLOGY AND PHYSIOLOGY OF CARDIOVASCULAR DISEASES	5T32 HL07411-09	167,062
GUENGERICH, F PETER	ENVIRONMENTAL TOXICOLOGY	5T32 ES07028-12	125,811
HARDMAN, JOEL G	PHARMACOLOGICAL SCIENCES	5T32 GM07628-09	138,086
INAGAMI, TADASHI	HYPERTENSION	5T32 HL07323-09	93,019
KING, LLOYD E, JR	POSTGRADUATE RESEARCH TRAINING IN DERMATOLOGY	5T32 AR07491-02	22,372
KRANTZ, SANFORD B	POSTGRADUATE TRAINING PROGRAM IN HEMATOLOGY	3T32 DK07186-10S1	36,739
OATES, JOHN A	CLINICAL PHARMACOLOGY	5T32 GM07569-10	204,623
OATES, JOHN A	HYPERTENSION	5T35 HL07531-05	37,630
STAHLMAN, MILDRED T	NEWBORN PULMONARY DEVELOPMENT FUNCTION AND DISEASE	5T32 HL07256-10	84,373
WAGNER, CONRAD	TRAINING IN NUTRITION	2T32 DK07083-12A1	82,025
ORGANIZATION TOTAL	19 2,309,917		
STATE TOTAL	34 3,783,255		
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM—UNIVERSITY OF TEXAS AT AUSTIN ZIP CODE 78712			
BITTNER, GEORGE D	SENSORY-MOTOR PROCESSING AND DEVELOPMENTAL NEUROBIOLOGY	5T32 NS07281-02	56,672
BRONSON, FRANKLIN H	REGULATORY FACTORS IN VERTEBRATE REPRODUCTION	5T32 HD07264-03	52,911
POSTON, DUDLEY L, JR	SOCIAL DEMOGRAPHY	5T32 HD07081-10	58,131
SULLIVAN, TERESA A	SOCIAL DEMOGRAPHY	1T32 AG00133-01	43,075
ORGANIZATION TOTAL	4 210,789		
DALLAS			
AMERICAN HEART ASSOCIATION ZIP CODE 75231			
LABARTHE, DARWIN R	CARDIOVASCULAR EPIDEMIOLOGY	5T15 HL07498-06	5,600
ORGANIZATION TOTAL	1 5,600		
UNIVERSITY OF TEXAS SYSTEM—UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS ZIP CODE 75235			
BUJA, LOUIS M	SHORT TERM RESEARCH TRAINING	5T35 HL07483-07	68,344
COMBES, BURTON	GRADUATE TRAINING IN GASTROENTEROLOGY AND LIVER DISEASES	5T32 DK07100-13	81,919

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
TEXAS—Continued			
FOSTER, DANIEL W	ENDOCRINE AND METABOLISM TRAINING GRANT	5T32 DK07307-09	179,081
GILMAN, ALFRED G	FACTORS INFLUENCING DRUG ACTIVITY AND DISTRIBUTION	5T32 GM07062-12	45,486
JOHNSON, ROBERT L, JR	PULMONARY PATHOPHYSIOLOGY	5T32 HL07362-09	115,193
KOKKO, JUHA P	RENAL CONTROL OF BODY COMPOSITION AND BLOOD PRESSURE	5T32 DK07257-10	82,540
LIPSKY, PETER E	BASIC AND CLINICAL RHEUMATOLOGY	5T32 AR07055-13	88,491
MACDONALD, PAUL C	PHYSIOLOGY OF REPRODUCTION	5T32 HD07190-08	219,752
MC CANN, SAMUEL M	NEUROENDOCRINOLOGY	5T32 HD07062-10	83,425
MITCHELL, JERE H	CARDIOVASCULAR PATHOPHYSIOLOGY	5T32 HL07360-09	356,808
TIGELAAR, ROBERT E	IMMUNODERMATOLOGY FELLOWSHIP TRAINING PROGRAM	5T32 AR07341-07	125,158
VITETTA, ELLEN S	CANCER IMMUNOLOGY	5T32 CA09082-12	190,462
WILSON, JEAN D	MEDICAL SCIENTIST	5T32 GM08014-05	109,603
ORGANIZATION TOTAL	13 1,747,262		
EL PASO			
UNIVERSITY OF TEXAS SYSTEM—UNIVERSITY OF TEXAS AT EL PASO ZIP CODE 79968			
PANNELL, KEITH H	MINORITY BIOMEDICAL HONORS PROGRAM	5T34 GM08048-02	109,753
		NIGMS	73,177
		NICHD	36,576
ORGANIZATION TOTAL	1 109,753		
FORT WORTH			
TEXAS COLLEGE OF OSTEOPATHIC MEDICINE ZIP CODE 76107			
ELKO, EDWARD E	HYPERTENSION—MINORITIES	5T35 HL07465-07	40,938
ORGANIZATION TOTAL	1 40,938		
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM—UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON ZIP CODE 77550			
BOOR, PAUL J	SHORT-TERM RESEARCH TRAINING	9T35 HL07615-06	28,987
DEGROOT, WILLIAM J	RESPIRATORY DISEASES	5T32 HL07217-09	54,891
WILLIS, WILLIAM D, JR	NEUROBIOLOGY	3T32 NS07185-05S1	6,119
ORGANIZATION TOTAL	3 89,997		
HOUSTON			
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY ZIP CODE 77067			
WATKINS, ROBERT D	ASM MINORITY STUDENT SCIENCE CAREERS SUPPORT PROGRAM	1T36 GM08168-01A1	75,000
		NIGMS	25,000
		NIAID	15,000
		NIDR	15,000
		NIDDK	15,000
		NCI	5,000
ORGANIZATION TOTAL	1 75,000		
BAYLOR COLLEGE OF MEDICINE ZIP CODE 77030			
ALPERT, MORTON E	RESEARCH TRAINING IN GASTROINTESTINAL AND LIVER DISEASE	5T32 DK07479-03	96,849
ANDERSON, ROBERT E	VISUAL SCIENCES	5T32 EY07001-12	130,487
APPEL, STANLEY H	NEUROSCIENCES	5T32 NS07182-07	152,559
BEAUDET, ARTHUR L	MEDICAL GENETICS	5T32 GM07526-09	109,368
BUTEL, JANET S	RESEARCH TRAINING PROGRAM IN VIRAL ONCOLOGY	5T32 CA09197-07	94,359
CASKEY, CHARLES T	MEDICAL SCIENTIST	5T32 GM07330-10	166,153
MARCUS, DONALD M	RESEARCH IN ADULT AND PEDIATRIC RHEUMATIC DISEASES	5T32 AR07480-03	84,052
O'MALLEY, BERT W	REPRODUCTIVE BIOLOGY REGULATORY MECHANISMS	2T32 HD07165-08	167,838
ORGANIZATION TOTAL	8 1,016,665		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
TEXAS—Continued			
RICE UNIVERSITY ZIP CODE 77001			
OLSON, JOHN S	MOLECULAR AND CELL BIOCHEMISTRY AND BIOLOGY	5T32 GM07833-07	44,481
ORGANIZATION TOTAL	1 44,481		
TEXAS SOUTHERN UNIVERSITY ZIP CODE 77004			
HOGAN, YVONNE H /ACTING	IMMUNOBIOLOGY, BIOCHEMISTRY & PSYCHOLOGY	5T34 GM07659-10	66,822
ORGANIZATION TOTAL	1 66,822		
UNIVERSITY OF HOUSTON SYSTEM–UNIVERSITY OF HOUSTON-UNIVERSITY PARK ZIP CODE 77004			
BUCKLEY, JOSEPH P	MINORITY HYPERTENSION RESEARCH DEVELOPMENT PROGRAM	5T35 HL07434-07	60,906
EVANS, RICHARD I	SOCIAL PSYCHOLOGY IN PREVENTING CARDIOVASCULAR DISEASE	5T32 HL07258-09	83,977
FLOM, MERTON C	SHORT TERM TRAINING–STUDENTS IN HEA... PROFESSIONS	5T35 EY07088-03	19,566
ORGANIZATION TOTAL	3 164,449		
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON ZIP CODE 77025			
DE MOSS, JOHN A	MOLECULAR BASIS OF CELL FUNCTION	5T32 GM07542-10	62,295
GOULD, KENNETH L	PATHOPHYSIOLOGY OF CORONARY ARTERY DISEASE	5T32 HL07591-02	89,919
GREEN, LAWRENCE W	POSTDOCTORAL RESEARCH IN CANCER RISK REDUCTION	1T32 CA09542-01	109,984
GREEN, LAWRENCE W	POSTDOCTORAL TRAINING IN BEHAVIORAL RESEARCH	5T32 HL07555-03	108,177
JULIANO, RUDOLPH L	HOUSTON PHARM... LOGICAL CENTER	5T32 GM07405-10	77,595
SAMCORN, BARBARA M	TRAINING PROGRAM IN MAMMALIAN REPRODUCTION	1T32 HD07324-01	63,173
SCHULTZ, STANLEY G	GASTROINTESTINAL AND RENAL PHYSIOLOGY AND CELL BIOLOGY	1T32 DK07520-01	88,560
ORGANIZATION TOTAL	7 599,703		
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS SYSTEM CANCER CENTER ZIP CODE 77025			
ANDERSON, DAVID E	TRAINING PROGRAM IN CANCER BIOLOGY	5T32 CA09299-08	73,954
LENNARZ, WILLIAM J	MOLECULAR BASIS OF DIFFERENTIATION AND DEVELOPMENT	1T32 HD07325-01	94,452
SLAGA, THOMAS J	RESEARCH TRAINING IN CARCINOGENESIS AND MUTAGENESIS	5T32 CA09480-03	153,826
VAN EYS, JAN	TRAINING PROGRAM IN PEDIATRIC HEMATOLOGY/ONCOLOGY	5T32 CA09070-12	35,285
ORGANIZATION TOTAL	4 357,517		
LUBBOCK			
TEXAS TECH UNIVERSITY ZIP CODE 79409			
BARKER, KENNETH L	REGULATION OF REPRODUCTIVE PROCESSES	5T32 HD07271-03	49,261
MCGRATH, JAMES J	FACTORS MODIFYING CARDIOVASCULAR ACTIVITY	5T32 HL07289-10	41,871
ORGANIZATION TOTAL	2 91,132		
PRAIRIE VIEW			
NATIONAL INSTITUTE OF SCIENCE ZIP CODE 77446			
WASHINGTON, ARTHUR C	NATIONAL INSTITUTE OF SCIENCE NATIONAL MEETING–1986	1T36 GM08209-01	41,500
		NIGMS	13,000
		NCI	10,000
		NIA	5,000
		NIDDK	5,000
		NHLBI	4,000
		NIAID	3,500
		NICHD	1,000
ORGANIZATION TOTAL	1 41,500		
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM–PRAIRIE VIEW A & M UNIVERSITY ZIP CODE 77445			
WASHINGTON, ARTHUR C	BIOMEDICAL SCIENCES	5T34 GM07695-10	57,475
ORGANIZATION TOTAL	1 57,475		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
TEXAS—Continued			
SAN ANTONIO			
ST. MARY'S UNIVERSITY OF SAN ANTONIO ZIP CODE 78284			
CIMADEVILLA, JOSE M	HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	5T34 GM08073-04	93,234
ORGANIZATION TOTAL	1 93,234		
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS AT SAN ANTONIO ZIP CODE 78285			
SILBER, HERBERT B	CELLULAR AND MOLECULAR BIOLOGY	5T34 GM07717-07	143,601
ORGANIZATION TOTAL	1 143,601		
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO ZIP CODE 78284			
BASEMAN, JOEL B	MOLECULAR MECHANISMS OF MICROBIAL PATHOGENICITY	5T32 AI07271-03	126,889
COLTMAN, CHARLES A, JR	TRAINING PROGRAM IN ACADEMIC MEDICAL ONCOLOGY/HEMATOLOGY	5T32 CA09434-04	90,635
JENKINSON, STEPHEN G	LUNG DISEASES–MULTIDISCIPLINARY	5T32 HL07221-10	46,421
MUNDY, GREGORY R	TRAINING PROGRAM IN BONE AND MINERAL METABOLISM	5T32 AR07464-04	103,255
O'ROURKE, ROBERT A	CARDIOVASCULAR RESEARCH TRAINING	5T32 HL07350-09	189,437
RUGH, JOHN D	STUDENTS IN PROFESSIONAL SCHOOLS	5T35 DE07160-02	13,044
SCHWARTZ, COLIN J	PATHOBIOLOGY OF OCCLUSIVE VASCULAR DISEASE	5T32 HL07446-08	88,347
STEIN, JAY H	TRAINING PROGRAM IN ACADEMIC NEPHROLOGY	2T32 DK07103-11	129,816
TALAL, NORMAN	ACADEMIC RHEUMATOLOGY AND CLINICAL IMMUNOLOGY	5T32 AR07468-04	32,324
ORGANIZATION TOTAL	9 820,168		
STATE TOTAL	63 5,776,086		
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM–UNIVERSITY OF UTAH ZIP CODE 84112			
ATHENS, JOHN W	RESEARCH TRAINING IN HEMATOLOGY	5T32 DK07115-12	118,606
DETHLEFSEN, LYLE A	RADIATION BIOLOGY AND EXPERIMENTAL ONCOLOGY	5T32 CA09097-12	66,754
EYZAGUIRRE, CARLOS E	NEURAL AND MUSCLE TISSUE–MULTIDISCIPLINARY	5T32 NS07172-07	57,833
FRANKLIN, MICHAEL R	PHARMACOLOGICAL SCIENCES	5T32 GM07579-09	108,417
JACOBSON, MARCUS	DEVELOPMENT AND GENETICS OF NEURAL SYSTEMS	5T32 NS07216-05	52,704
MASON, JAY W	TRAINING IN CARDIOVASCULAR RESEARCH	5T32 HL07576-03	133,012
STEWART, J ROBERT	RADIOLOGY RESEARCH TRAINING	5T32 CA09479-02	109,277
VICKERY, ROBERT K, JR	GENETICS	5T32 GM07464-10	114,459
ORGANIZATION TOTAL	8 761,062		
STATE TOTAL	8 761,062		
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE ZIP CODE 05405			
CHIU, JEN-FU	CANCER BIOLOGY	5T32 CA09286-08	86,080
CRAIGHEAD, JOHN E	ENVIRONMENTAL PATHOLOGY	5T32 ES07122-05	156,517
HOAK, JOHN C	HEMOSTASIS & THROMBOSIS PROGRAM FOR ACADEMIC TRAINEES	5T32 HL07594-02	118,316
HORTON, EDWARD S	TRAINING IN DIABETES, ENDOCRINOLOGY AND METABOLISM	1T32 DK07523-01	64,684
ORGANIZATION TOTAL	4 425,597		
STATE TOTAL	4 425,597		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE ZIP CODE 22903			
ATTINGER, ERNST O	SYSTEMS PHYSIOLOGY	5T22 GM07593-08	57,170
AYERS, CARLOS R	HIGH BLOOD PRESSURE RESEARCH	5T32 HL07355-09	139,363
BERNE, ROBERT M	BASIC CARDIOVASCULAR RESEARCH	5T32 HL07284-10	176,457
BILTOMEN, RODNEY L	MEDICAL SCIENTIST	5T32 GM07267-10	198,650
EMERSON, CHARLES P, JR	EARLY DEVELOPMENT	5T32 HD07192-08	140,534
HAYNES, ROBERT C, JR	PHARMACOLOGY	5T32 GM07055-12	95,262
HEWLETT, ERIK L	RESEARCH TRAINING IN DIABETES AND HORMONES ACTION	5T32 DK07320-09	115,802
LERR, NICHOLAS J	TRAINING IN NEUROBIOLOGICAL AND BEHAVIOR DEVELOPMENT	1T32 HD07323-01	131,056
MANDELL, GERALD L	INFECTIOUS DISEASE	5T32 AI07046-10	177,785
QUESENBERRY, PETER J	HEMATOLOGY/ONCOLOGY	5T32 DK07509-02	43,842
RUBINSTEIN, LUCIEN J	NEUROPATHOLOGY RESEARCH	5T32 NS07236-04	103,976
STAMP, WARREN G	ORTHOPAEDIC RESEARCH TRAINING	5T32 AR07482-03	42,109
STEWARD, OSWALD	NEUROPLASTICITY AND REGENERATION RESEARCH	2T32 NS07199-06	138,656
THOMPSON, THOMAS E	CELL AND MOLECULAR BIOLOGY	5T32 GM08136-02	140,241
WAGNER, ROBERT R	CANCER RESEARCH- MOLECULAR BIOLOGY	2T32 CA09109-11	346,587
ORGANIZATION TOTAL	15 2,047,490		
HAMPTON			
HAMPTON INSTITUTE ZIP CODE 23668			
JONES, JOHNNYE M	BIOMEDICAL AND ENVIRONMENTAL TRAINING PROGRAM	5T34 GM08039-04	152,450
ORGANIZATION TOTAL	1 152,450		
PETERSBURG			
VIRGINIA STATE UNIVERSITY ZIP CODE 23803			
HAMLETT, HUNTER D	BIOMEDICAL SCIENCES	5T34 GM07678-07	52,401
ORGANIZATION TOTAL	1 52,401		
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY ZIP CODE 23284			
BLACKARD, WILLIAM G	RESEARCH TRAINING IN METABOLISM	5T32 DK07428-05	63,564
BRIGGS, FRED N	CARDIOVASCULAR INJURY MECHANISMS	5T32 HL07537-05	80,999
ECKBERG, DWAIN L	CARDIOVASCULAR MECHANISMS IN HEALTH AND DISEASE	5T32 HL07580-02	71,444
GOLDMAN, ISRAEL D	MEMBRANE PHENOMENA RELEVANT TO CARDIOVASCULAR DISEASES	5T32 HL07110-12	125,303
		NHLBI	92,448
		NIA	32,855
MOHANAKUMAR, THALACHALLOUR	CANCER ETIOLOGY AND TREATMENT	5T32 CA09210-09	99,971
MUNSON, ALBERT E	TOXICOLOGY	5T32 ES07087-08	191,689
RANCE, WALTER E	HUMAN GENETICS	5T32 GM07492-10	45,129
POVLISHOCK, JOHN T	BRAIN PARENCHYMAL AND VASCULAR RESPONSE TO TRAUMA	1T32 NS07288-01A1	83,386
REDDY, SHAUN	PATHOGENESIS AND TREATMENT OF RHEUMATIC DISEASES	5T32 AR07079-10	55,449
TAYLOR, FLETCHER B JR	MECHANISMS OF CARDIOVASCULAR INJURY	5T32 HL07548-04	75,426
VLAHCEVIC, ZDRAVKO R	TRAINING GRANT IN DIGESTIVE AND LIVER DISEASES	5T32 DK07150-11	91,975
WRIGHT, JACKSON T, JR	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07309-10	32,601
ORGANIZATION TOTAL	12 1,017,536		
STATE TOTAL	29 3,269,877		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY ZIP CODE 99163			
MC GUIRE, TRAVIS C	IMMUNOLOGY TRAINING PROGRAM	5T32 AI07025-07	125,572
ORGANIZATION TOTAL 1	125,572		
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER ZIP CODE 98104			
BERNSTEIN, IRWIN D	PEDIATRIC ONCOLOGY	5T32 CA09351-08	92,758
ORGANIZATION TOTAL 1	92,758		
UNIVERSITY OF WASHINGTON ZIP CODE 98195			
ADAMSON, JOHN W	HEMATOLOGY	5T32 HL07093-12	217,814
BASSINGTHWAIGHTE, JAMES B	CARDIOVASCULAR BIOENGINEERING	5T32 HL07403-09	139,682
BENOLIEL, JEANNE Q	NURSING RESEARCH TRAINING: PSYCHOSOCIAL ONCOLOGY	5T32 CA09472-03	69,504
BIERMAN, EDWIN L	DIABETES, METABOLISM AND ENDOCRINOLOGY TRAINING	5T32 DK07247-10	124,900
BIERMAN, EDWIN L	NUTRITION, LIPID METABOLISM, AND ARTERIOSCLEROSIS	2T32 HL07028-11	50,570
BUTLER, JOHN	RESPIRATORY PHYSIOLOGY	5T32 HL07287-09	160,693
CARRICO, C JAMES	TRAUMA AND BURNS	5T32 GM07037-12	100,930
CHAPMAN, C RICHARD	BASIC AND CLINICAL PAIN RESEARCH	5T32 NS07217-05	143,421
CTRUSER, WILLIAM G	RESEARCH TRAINING IN IMMUNOLOGIC RENAL DISEASE	5T32 DK07467-04	70,340
CRILL, WAYNE E	NEUROBIOLOGY	5T32 GM07108-12	119,774
CUMMINGS, CHARLES W	BASIC SCIENCES TRAINING FOR OTOLARYNGOLOGY	5T32 NS07246-04	55,281
DALE, BEVERLY A	SHORT TERM RESEARCH TRAINING	5T35 DE07150-03	25,906
DODGE, HAROLD T	CARDIOVASCULAR RESEARCH	5T32 HL07278-10	82,108
FANGMAN, WALTON L	GENETICS--GENERAL AND MEDICAL	5T32 GM07735-08	208,883
FEIGL, ERIC O	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	5T32 HL07090-12	112,027
FISHER, LLOYD D	CARDIOVASCULAR BIOSTATISTICS	2T32 HL07183-11	180,075
FUCHS, ALBERT F	NEUROBIOLOGY	5T32 NS07097-09	113,107
GORDON, MILTON P	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07270-12	292,662
HORNBEIN, THOMAS F	ANESTHESIA RESEARCH	5T32 GM07604-08	55,908
IZUTSU, KENNETH T	ORAL BIOLOGY--SALIVARY SECRETIONS	5T32 DE07023-12	50,345
KLEBANOFF, SEYMOUR J	HOST DEFENSE IN ALLERGY AND INFECTIOUS DISEASE	2T32 AI07044-11	179,839
KREBS, EDWIN G	MOLECULAR MECHANISMS OF METABOLIC REGULATION	5T32 DK07441-04	66,972
LIMAL, MAXINE L	VIRAL ONCOLOGY	5T32 CA09229-09	80,706
LOEB, LAWRENCE A	MOLECULAR TRAINING PROGRAM IN CANCER RESEARCH	5T32 CA09437-05	198,645
MANNIK, MART	RESEARCH TRAINING IN RHEUMATOLOGY	5T32 AR07108-12	141,862
MARTIN, GEORGE M	GENETIC APPROACHES TO AGING RESEARCH	5T32 AG00057-09	257,963
MARTIN, GEORGE M	MEDICAL SCIENTIST	5T32 GM07266-12	288,903
MELTZOFF, ANDREW N	PERCEPTUAL DEVELOPMENT	5T32 HD07239-04	98,533
MOTTET, N KARLE	ENVIRONMENTAL PATHOLOGY/TOXICOLOGY TRAINING	5T32 ES07032-09	259,845
MOTULSKY, ARNO G	MEDICAL GENETICS	5T32 GM07454-10	135,413
NAKAGAWA-KOGAN, HELEN	CLINICAL RESEARCH TRAINING: PSYCHOPHYSIOLOGIC INTERFACE	5T32 NR07030-02	127,840
NELSON, WENDEL L	DRUG ACTION, METABOLISM AND KINETICS	5T32 GM07750-08	91,682
ODLAND, GEORGE F	DERMATOLOGY	5T32 AR07019-12	113,561
OJEMANN, GEORGE A	CLINICAL EPILEPSY TRAINING PROGRAM	1T32 NS07289-01A1	94,960
PAGE, ROY C	PERIODONTAL DISEASES AND CHRONIC INFLAMMATION	2T32 DE07063-11	10,187
RIDDIFORD, LYNN M	INTERDISCIPLINARY TRAINING IN DEVELOPMENTAL BIOLOGY	5T32 HD07183-08	99,651
SCHWARTZ, STEPHEN M	EXPERIMENTAL PATHOLOGY OF CARDIOVASCULAR DISEASE	5T32 HL07312-09	305,063
STAMM, WALTER E	VENEREAL DISEASE	5T32 AI07140-09	156,160
STORB, URSULA B	BASIC IMMUNOLOGY	1T32 CA09537-01	28,136
TELLER, DAVIDA Y	VISUAL SCIENCES	5T32 EY07031-10	81,921
THOMAS, E DONNALL	TRAINING IN CANCER BIOLOGY AND MARROW TRANSPLANTATION	5T32 CA09515-02	137,520
VAN HOOSIER, GERALD L JR	COMPARATIVE MEDICINE	5T32 RR07019-05	164,034
		DRR	98,922
		NIA	65,112
WEINSTEIN, PHILIP	DENTAL DISEASE PREVENTION	5T32 DE07132-05	96,450
WEISS, NOEL S	CANCER EPIDEMIOLOGY AND BIOSTATISTICS	5T32 CA09168-12	237,117

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
WASHINGTON—Continued			
WINN, H RICHARD	CLINICAL INVESTIGATION	5T32 NS07144-08	91,503
ORGANIZATION TOTAL	45 5,918,396		
STATE TOTAL	47 6,136,726		
WEST VIRGINIA			
MORGANTOWN			
WEST VIRGINIA UNIVERSITY	**ZIP CODE 26506**		
BUTCHER, FRED R	SHORT-TERM TRAINING AWARDS IN MEDICAL EDUCATION	5T35 DK07500-02	34,785
FLEMING, WILLIAM W	PHARMACOLOGICAL SCIENCES	5T32 GM07039-12	107,436
HEDGE, GEORGE A	POSTDOCTORAL RESEARCH TRAINING IN ENDOCRINOLOGY	5T32 DK07312-08	80,939
ORGANIZATION TOTAL	3 223,160		
STATE TOTAL	3 223,160		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM–UNIVERSITY OF WISCONSIN-MADISON	**ZIP CODE 53706**		
AUERBACH, ROBERT	DEVELOPMENTAL BIOLOGY	5T32 HD07118-09	181,863
CLIFTON, KELLY H	TRAINING IN HUMAN CANCER BIOLOGY	5T32 CA09471-03	131,820
FAHIEN, LEONARD A	SHORT-TERM RESEARCH TRAINING	2T35 DK07389-06	35,627
FEATHERMAN, DAVID L	POPULATION, LIFE COURSE, AND AGING	1T32 AG00129-01	102,364
GORSKI, JACK	TRAINING IN BIOCHEMISTRY OF REPRODUCTION	5T32 HD07259-04	74,794
GREGER, JANET L	NUTRITION AND ONCOLOGY	5T32 CA09451-04	177,241
HAUSER, ROBERT M	DEMOGRAPHY AND ECOLOGY	5T32 HD07014-12	174,932
		NICHD	152,680
		NIA	22,252
HIND, JOSEPH E	SENSORY PHYSIOLOGY AND BIOPHYSICS	5T32 NS07026-11	79,496
KALIL, RONALD E	NEUROSCIENCES	5T32 GM07507-09	60,701
MILLER, ELIZABETH C	CHEMICAL CARCINOGENESIS	5T32 CA09020-12	109,739
MISTRETTA, CHARLES A	RADIOLOGICAL SCIENCES	5T32 CA09206-08	54,679
MUELLER, GERALD C	TUMOR BIOLOGY	2T32 CA09230-11	123,876
PITOT, HENRY C	EXPERIMENTAL ONCOLOGY	5T32 CA09135-12	452,767
REZNIKOFF, WILLIAM S	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07215-12	775,030
SUSMAN, MILLARD	GENETICS	5T32 GM07133-12	319,361
TEMIN, HOWARD M	VIRAL ONCOLOGY	5T32 CA09075-12	29,430
ORGANIZATION TOTAL	16 2,903,720		
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN	**ZIP CODE 53226**		
BROOKS, HAROLD L	CARDIOVASCULAR RESEARCH TRAINING GRANT	5T32 HL07546-04	98,706
EDELHAUSER, HENRY F	VISION RESEARCH TRAINING	3T32 EY07016-11S1	4,606
EDELHAUSER, HENRY F	VISION RESEARCH TRAINING	5T32 EY07016-12	73,457
SOERGEL, KONRAD H	PATHOPHYSIOLOGY GASTROENTEROLOGY	5T32 DK07267-08	52,221
ORGANIZATION TOTAL	4 228,990		
STATE TOTAL	20 3,132,710		

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Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1986—Continued

Program director	General area of training	Grant number	Dollars
PUERTO RICO			
HUMACAO			
UNIVERSITY OF PUERTO RICO HUMACAO UNIVERSITY COLLEGE ZIP CODE 00661			
MARRERO-CORLETTO, ROBERTO	HUC BAC. HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM	1T34 GM08156-01	97,308
ORGANIZATION TOTAL 1	97,308		
PONCE			
CATHOLIC UNIVERSITY OF PUERTO RICO ZIP CODE 00731			
MERCADO, CARMEN M	BIOCHEMISTRY OF THE NUCLEIC ACIDS	5T34 GM07732-07	148,349
ORGANIZATION TOTAL 1	148,349		
SAN JUAN			
UNIVERSITY OF PUERTO RICO RIO PIEDRAS ZIP CODE 00931			
LARSON, GERALD L	BIOMEDICAL SCIENCES	5T34 GM07821-07	238,574
ORGANIZATION TOTAL 1	238,574		
STATE TOTAL 3	484,231		
SWITZERLAND			
GENEVA			
INTERNATIONAL UNION AGAINST CANCER			
SELBY, PHILIP	TRAINING COURSES FOR CANCER RESEARCH WORKERS	5T14 CA09506-02	35,747
ORGANIZATION TOTAL 1	35,747		
COUNTRY TOTAL 1	35,747		

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Table 4.—NIH Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986

Responsible official		Purpose of grant	Grant number	Dollars
TOTAL, 29 GRANTS				4,954,487
ALABAMA				
BIRMINGHAM				
UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA AT BIRMINGHAM ZIP CODE 35294				
HICKEY, TERRY L		EYE RESEARCH FACILITY CONSTRUCTION	1C06 EY06908-01	203,420
ORGANIZATION TOTAL	1	203,420		
STATE TOTAL	1	203,420		
CALIFORNIA				
DUARTE				
CITY OF HOPE NATIONAL MEDICAL CENTER ZIP CODE 91010				
OPENSHAW, HARRY O		ALTERATION AND RENOVATION	1C06 EY06903-01	16,149
ORGANIZATION TOTAL	1	16,149		
LA JOLLA				
UNIVERSITY OF CALIFORNIA AT SAN DIEGO ZIP CODE 92093				
BROWN, STUART		EYE RESEARCH FACILITY	1C06 EY06991-01	500,000
ORGANIZATION TOTAL	1	500,000		
LOS ANGELES				
UNIVERSITY OF SOUTHERN CALIFORNIA ZIP CODE 90007				
JOHNSON, LINCOLN V		ALTERATION AND RENOVATION	1C06 EY06909-01	24,908
ORGANIZATION TOTAL	1	24,908		
SAN FRANCISCO				
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO ZIP CODE 94143				
KRAMER, STEVEN G		EYE RESEARCH CONSTRUCTION GRANT	3C06 EY06293-01S1	100,000
ORGANIZATION TOTAL	1	100,000		
STATE TOTAL	4	641,057		

NOTE: For comments on organizations, see Appendix

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Table 4.—NIH Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official	Purpose of grant	Grant number	Dollars
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY ZIP CODE 06520			
FORGET, BERNARD G	NHLBI SHARED RESEARCH FACILITY	1C06 HL35547-01	305,620
ORGANIZATION TOTAL	1 305,620		
STATE TOTAL	1 305,620		
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA ZIP CODE 32611			
ULSHAFER, ROBERT J	SPECIALIZED LABORATORY INSTRUMENTATION GRANT	1C06 EY06834-01	122,500
ORGANIZATION TOTAL	1 122,500		
STATE TOTAL	1 122,500		
GEORGIA			
ATLANTA			
EMORY UNIVERSITY ZIP CODE 30322			
MASTERS, BARRY R	INSTRUMENTATION	1C06 EY06819-01	48,690
ORGANIZATION TOTAL	1 48,690		
STATE TOTAL	1 48,690		
ILLINOIS			
CHICAGO			
NORTHWESTERN UNIVERSITY ZIP CODE 60611			
RAFFERTY, NANCY S	INSTRUMENTATION	1C06 EY06893-01	37,817
ORGANIZATION TOTAL	1 37,817		
STATE TOTAL	1 37,817		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA ZIP CODE 52242			
ABBOUD, FRANCOIS M	NHLBI SHARED RESEARCH FACILITY	1C06 HL35321-01	441,071
ORGANIZATION TOTAL	1 441,071		
STATE TOTAL	1 441,071		

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Table 4.—NIH Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official		Purpose of grant	Grant number	Dollars
MARYLAND				
BALTIMORE				
NATIONAL RETINITIS PIGMENTOSA FOUNDATION ZIP CODE 21217				
FELIX, JEANETTE S		FACILITY FOR CANINE MODELS OF RETINAL DEGENERATION	1C06 EY07089-01	324,973
ORGANIZATION TOTAL	1	324,973		
STATE TOTAL	1	324,973		
MASSACHUSETTS				
BOSTON				
MASSACHUSETTS EYE AND EAR INFIRMARY ZIP CODE 02114				
DRYJA, THADDEUS P		VISION RESEARCH FACILITIES	3C06 EY06308-01S1	51,841
ORGANIZATION TOTAL	1	51,841		
MASSACHUSETTS GENERAL HOSPITAL ZIP CODE 02114				
GREENE, REGINALD		MGH SHARED RESEARCH FACILITY	1C06 HL35141-01	213,302
ORGANIZATION TOTAL	1	213,302		
STATE TOTAL	2	265,143		
MICHIGAN				
ANN ARBOR				
UNIVERSITY OF MICHIGAN AT ANN ARBOR ZIP CODE 48109				
LICHTER, PAUL R		EYE RESEARCH FACILITY CONSTRUCTION COMPLETION OF SHELL S	3C06 EY06305-01S1	90,000
ORGANIZATION TOTAL	1	90,000		
DETROIT				
WAYNE STATE UNIVERSITY ZIP CODE 48202				
HAZLETT, LINDA D		INSTRUMENTATION	1C06 EY06901-01	51,000
ORGANIZATION TOTAL	1	51,000		
STATE TOTAL	2	141,000		
MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL ZIP CODE 55455				
GOLDBERG, NELSON D		INSTRUMENTATION	1C06 EY06904-01	29,625
ORGANIZATION TOTAL	1	29,625		
STATE TOTAL	1	29,625		

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Table 4.—NIH Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official		Purpose of grant	Grant number	Dollars
MONTANA				
BOZEMAN				
MONTANA UNIVERSITY SYSTEM–MONTANA STATE UNIVERSITY ZIP CODE 59717				
DRATZ, EDWARD A.		INSTRUMENTATION: SOLID STATE NUCLEAR MAGNETIC RESONANCE	1C06 EY06902-01	125,000
ORGANIZATION TOTAL	1	125,000		
STATE TOTAL	1	125,000		
NEW YORK				
NEW YORK				
COLUMBIA UNIVERSITY–COLUMBIA UNIVERSITY NEW YORK ZIP CODE 10027				
WORGUL, BASIL V.		INSTRUMENTATION	1C06 EY06900-01	25,000
ORGANIZATION TOTAL	1	25,000		
CORNELL UNIVERSITY MEDICAL CENTER ZIP CODE 10021				
REIS, DONALD J.		NHLBI SHARED RESEARCH FACILITY	1C06 HL35288-01	228,806
ORGANIZATION TOTAL	1	228,806		
STATE TOTAL	2	253,806		
NORTH CAROLINA				
DURHAM				
DUKE UNIVERSITY ZIP CODE 27706				
HATCHELL, DIANE L.		INSTRUMENTATION	1C06 EY06896-01	108,375
ORGANIZATION TOTAL	1	108,375		
STATE TOTAL	1	108,375		
OREGON				
PORTLAND				
OREGON STATE HIGHER EDUCATION SYSTEM–OREGON HEALTH SCIENCES UNIVERSITY ZIP CODE 97201				
RANTA, GORDON H.		OREGON HEALTH SCIENCES UNIVERSITY EYE CENTER RESEARCH	3C06 EY06298-01S1	250,000
ORGANIZATION TOTAL	1	250,000		
STATE TOTAL	1	250,000		
PENNSYLVANIA				
PHILADELPHIA				
TEMPLE UNIVERSITY ZIP CODE 19122				
SHERRY, SOL		NHLBI SHARED RESEARCH FACILITY	1C06 HL35494-01	230,247
ORGANIZATION TOTAL	1	230,247		

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Table 4.—NIH Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official	Purpose of grant	Grant number	Dollars
PENNSYLVANIA—Continued			
PITTSBURGH			
EYE AND EAR HOSPITAL OF PITTSBURGH ZIP CODE 15213			
SUNDAR RAJ, NIRMALA	INSTRUMENTATION	1C06 EY06807-01	115,225
ORGANIZATION TOTAL 1	115,225		
STATE TOTAL 2	345,472		
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE ZIP CODE 77030			
HOLLYFIELD, JOE G	ALTERATION AND RENOVATION	1C06 EY06952-01	25,300
HOLLYFIELD, JOE G	INSTRUMENTATION	1C06 EY06970-01	150,000
MOHLER, JOEL L	WILBS SHARED RESEARCH FACILITY	1C06 HL35337-01	368,000
ORGANIZATION TOTAL 3	543,300		
UNIVERSITY OF HOUSTON SYSTEM—UNIVERSITY OF HOUSTON-UNIVERSITY PARK ZIP CODE 77004			
FLOM, MERTON C	ALTERATION AND RENOVATION	1C06 EY06921-01	117,618
ORGANIZATION TOTAL 1	117,618		
STATE TOTAL 4	660,918		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM—UNIVERSITY OF WISCONSIN-MADISON ZIP CODE 53706			
CHANDLER, JOHN W, JR	EYE RESEARCH INSTRUMENTATION	1C06 EY06898-01	150,000
CHANDLER, JOHN W, JR	OPHTHALMOLOGY RESEARCH LABORATORIES	1C06 EY06907-01	500,000
ORGANIZATION TOTAL 2	650,000		
STATE TOTAL 2	650,000		

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986

Responsible official			Grant number	Dollars
TOTAL, 34 GRANTS				2,797,968
ARIZONA				
NOGALES				
SOUTHEAST ARIZONA AREA HEALTH EDUCATION CENTER ZIP CODE 85621				
MERRILL, MICHAEL C			1G07 LM04590-01	40,184
ORGANIZATION TOTAL	1	40,184		
STATE TOTAL	1	40,184		
CALIFORNIA				
BERKELEY				
UNIVERSITY OF CALIFORNIA AT BERKELEY ZIP CODE 94720				
BROWNRIGG, EDWIN B			1G08 LM04466-01	177,965
ORGANIZATION TOTAL	1	177,965		
MERCED				
MERCED COMMUNITY MEDICAL CENTER ZIP CODE 95340				
MADDALENA, BETTY			5G08 LM04426-02	67,040
ORGANIZATION TOTAL	1	67,040		
MOUNTAIN VIEW				
EL CAMINO HOSPITAL ZIP CODE 94040				
JAJKO, PAMELA J			1G07 LM04439-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	3	249,005		
DIST OF COL				
WASHINGTON				
AMERICAN COLLEGE OF OBSTETRICIANS AND GYNECOLOGISTS ZIP CODE 20024				
PEARSE, WARREN H			1G08 LM04532-01	134,178
ORGANIZATION TOTAL	1	134,178		

NOTE: For comments on organizations, see Appendix

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official			Grant number	Dollars
DIST OF COL—Continued				
GEORGETOWN UNIVERSITY ZIP CODE 20007				
BROERING, NAOMI C			5G06 LM04392-02	325,000
ORGANIZATION TOTAL	1	325,000		
HEALTHCARE GROUP—NATIONAL REHABILITATION HOSPITAL ZIP CODE 20010				
COOK, MARILYN			1G07 LM04518-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	3	463,178		
HAWAII				
HILO				
HAWAII STATE DEPARTMENT OF HEALTH—HILO HOSPITAL ZIP CODE 96720				
HAMASU, CLAIRE			1G07 LM04526-01	4,000
ORGANIZATION TOTAL	1	4,000		
KEALAKEKUA				
HAWAII STATE DEPARTMENT OF HEALTH—KONA HOSPITAL ZIP CODE 96750				
YUNG, JENNIE			1G07 LM04472-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	2	8,000		
IDAHO				
COEUR D'ALENE				
KOOTENAI MEDICAL CENTER ZIP CODE 83814				
HORNER, MARCIA E			1G07 LM04553-01	27,827
ORGANIZATION TOTAL	1	27,827		
LEWISTON				
ST. JOSEPH REGIONAL MEDICAL CENTER ZIP CODE 83501				
CLIFFORD, ANGELA			1G07 LM04522-01	4,250
ORGANIZATION TOTAL	1	4,250		
STATE TOTAL	2	32,077		
INDIANA				
MADISON				
INDIANA STATE DEPARTMENT OF MENTAL HEALTH—MADISON STATE HOSPITAL ZIP CODE 47250				
MARRIAGE, CHERYL			1G07 LM04364-01A1	4,350
ORGANIZATION TOTAL	1	4,350		
STATE TOTAL	1	4,350		

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official			Grant number	Dollars
MAINE				
AUGUSTA				
MAINE HOSPITAL ASSOCIATION ZIP CODE 04330				
LISHK, JOHN			5G08 LM04138-02	39,000
ORGANIZATION TOTAL	1	39,000		
STATE TOTAL	1	39,000		
MARYLAND				
BALTIMORE				
UNIVERSITY OF MARYLAND SYSTEM–UNIVERSITY OF MARYLAND AT BALTIMORE ZIP CODE 21201				
FENG, CYRIL C			5G08 LM04388-02	49,944
WILSON, MARJORIE P			5G08 LM04411-02	325,000
ORGANIZATION TOTAL	2	374,944		
STATE TOTAL	2	374,944		
MASSACHUSETTS				
BOSTON				
HARVARD UNIVERSITY ZIP CODE 02115				
GREENES, ROBERT A			5G08 LM04424-02	113,740
ORGANIZATION TOTAL	1	113,740		
STATE TOTAL	1	113,740		
NEBRASKA				
OMAHA				
UNIVERSITY OF NEBRASKA SYSTEM–UNIVERSITY OF NEBRASKA MEDICAL CENTER ZIP CODE 68105				
BRAUER, ROBERT W			5G08 LM04223-02	19,616
REINKOBER, AUDREY P			5G08 LM04358-02	93,246
ORGANIZATION TOTAL	2	112,862		
STATE TOTAL	2	112,862		
NEW JERSEY				
NEWARK				
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY ZIP CODE 07103				
ROSENSTEIN, PHILIP			1G08 LM04575-01	193,000
ORGANIZATION TOTAL	1	193,000		
STATE TOTAL	1	193,000		

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official			Grant number	Dollars
NEW YORK				
NEW YORK				
COLUMBIA UNIVERSITY–COLUMBIA UNIVERSITY NEW YORK ZIP CODE 10027				
BENACERRAF, BARUJ H			5G08 LM04419-02	320,624
ORGANIZATION TOTAL	1	320,624		
SYOSSET				
SYOSSET COMMUNITY HOSPITAL ZIP CODE 11791				
BAILINE, JOAN D			1G07 LM04448-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	2	324,624		
NORTH CAROLINA				
RALEIGH				
NORTH CAROLINA DEPARTMENT OF CORRECTION ZIP CODE 27603				
DRURY, WILLIAM			1G07 LM04547-01	12,000
ORGANIZATION TOTAL	1	12,000		
STATE TOTAL	1	12,000		
NORTH DAKOTA				
GRAND FORKS				
UNIVERSITY OF NORTH DAKOTA ZIP CODE 58201				
BOILARD, DAVID W			5G07 LM04265-02	64,595
ORGANIZATION TOTAL	1	64,595		
STATE TOTAL	1	64,595		
OHIO				
EAST LIVERPOOL				
EAST LIVERPOOL CITY HOSPITAL ZIP CODE 43920				
COX, LYN			1G07 LM04337-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
OKLAHOMA				
OKLAHOMA CITY				
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER ZIP CODE 73190				
THOMPSON, CLINTON M			5G08 LM04297-02	54,145
ORGANIZATION TOTAL	1	54,145		
STATE TOTAL	1	54,145		

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official			Grant number	Dollars
RHODE ISLAND				
PROVIDENCE				
RHODE ISLAND HOSPITAL ZIP CODE 02902				
LATHROP, IRENE H			1G08 LM04537-01	139,195
ORGANIZATION TOTAL	1	139,195		
STATE TOTAL	1	139,195		
SOUTH CAROLINA				
CHARLESTON				
MEDICAL UNIVERSITY OF SOUTH CAROLINA ZIP CODE 29403				
SAWYER, WARREN A			5G08 LM04271-03	46,000
ORGANIZATION TOTAL	1	46,000		
STATE TOTAL	1	46,000		
TENNESSEE				
NASHVILLE				
VANDERBILT MEDICAL COLLEGE ZIP CODE 37200				
CAMERON, SAM			5G08 LM04260-02	50,883
ORGANIZATION TOTAL	1	50,883		
STATE TOTAL	1	50,883		
TEXAS				
SAN ANTONIO				
UNIVERSITY OF TEXAS SYSTEM-UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO ZIP CODE 78284				
BONNER, VIRGINIA H			1G08 LM04446-01A1	74,550
ORGANIZATION TOTAL	1	74,550		
STATE TOTAL	1	74,550		
UTAH				
SALT LAKE CITY				
UTAH STATE HIGHER EDUCATION SYSTEM-UNIVERSITY OF UTAH ZIP CODE 84112				
WARNER, HOMER R			5G08 LM04403-02	317,422
ORGANIZATION TOTAL	1	317,422		
STATE TOTAL	1	317,422		

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Table 5.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1986—Continued

Responsible official			Grant number	Dollars
WASHINGTON				
SEATTLE				
HIGHLINE COMMUNITY HOSPITAL		**ZIP CODE 98166**		
MC INTURFF, MARY J			1G07 LM04512-01	4,000
ORGANIZATION TOTAL	1	4,000		
ST. CABRINI HOSPITAL OF SEATTLE		**ZIP CODE 98104**		
DODSON, SHERRY			1G07 LM04567-01	3,992
ORGANIZATION TOTAL	1	3,992		
UNIVERSITY OF WASHINGTON		**ZIP CODE 98195**		
OPPENHEIMER, GERALD J			5G08 LM04171-03	55,214
ORGANIZATION TOTAL	1	55,214		
STATE TOTAL	3	63,206		
VIRGIN IS (US)				
SAINT CROIX				
VIRGIN ISLANDS DEPARTMENT OF HEALTH–ST. CROIX HOSPITAL AND COMMUNITY HEALTH CENTER		**ZIP CODE 00820**		
BRONSTEIN, DOROTHY			1G07 LM04415-01A1	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		

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APPENDIX

Notes on Selected Organizations

Organizations appearing in more than one geographical location or requiring a clarifying comment are listed below in alphabetic sequence. Comments on certain foundations or on organizations whose names have changed since last year appear after the name of the organization.

California State University and Colleges System--Long Beach, Los Angeles, Ca. (3)
Carnegie Institution of Washington, D.C.--Washington, D.C.; Baltimore, Md. (2)
City University of New York--New York (7 units), N.Y. (2,3)
Cornell University--Ithaca, New York, N.Y. (2,3,4)
Harvard University--Boston, Cambridge, Ma. (2,3,5)
Indiana University--Bloomington, Indianapolis, In. (2,3)
Louisiana State University--New Orleans, Shreveport, La. (2,3)
Memorial Sloan-Kettering Cancer Center--New York (2 units), N.Y. (2,3)
New York State Department of Health (may include awards to Health Research, Inc.)--Albany, Buffalo, N.Y. (3)
Northwestern University--Chicago, Evanston, Il. (2,3,4)
Oregon State Higher Education System--Corvallis, Eugene, Portland, Or. (2,3,4)
Pennsylvania State University--Hershey, University Park, Pa. (2,3)
Rush-Presbyterian-St.Luke's Medical Center--Chicago (2 units), Il. (2,3)
Rutgers The State Unviersity--New Brunswick, Newark, N.J. (2)
State University of New York--Albany, Buffalo, New York, (2 units), Stony Brook, Syracuse, N.Y. (2,3)
State University System of Florida--Gainesville, Tallahassee, Tampa, Fl. (2,3,4)
Texas Agricultural and Mechanical University System--College Station, Prairie View, Tx (2,3)
Tufts University--Boston, Medford, Ma. (2,3)
U.S. Department of Defense--Washington, D.C.; Bethesda, Md. (2)
U.S. Department of Health and Human Services--Fort Collins, Co.; Atlanta, Ga.; Bethesda, Frederick, Md.; Research Triangle Park, N.C. (2)

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University of Alabama System--Birmingham, Tuscaloosa, Al. (2,3,4)
University of California--Berkeley (2 units), Davis, Irvine, La Jolla, Los Alamos, Los Angeles, Riverside, San Francisco, Santa Barbara, Santa Cruz, Ca. (2, 3, 4)
University of Colorado System--Boulder, Denver, Co. (2,3)
University of Illinois--Champaign, Chicago, Il (2,3)
University of Kansas--Kansas City, Lawrence, Ks. (2,3)
University of Maryland System--Baltimore, College Park, Md. (2,3,5)
University of Massachusetts--Amherst, Worcester, Ma. (2,3)
University of Medicine and Dentistry of New Jersey--Newark, Piscataway, N.J. (2,3,5)
University of Miami--Coral Gables, Miami, Fl. (2,3)
University of Minnesota--Duluth, Minneapolis, Mn. (2,3,4)
University of Missouri--Columbia, Kansas City, Mo. (2,3)
University of North Carolina System--Chapel Hill, Durham, Greensboro, Pembroke, Raleigh, N.C. (2,3)
University of Puerto Rico--Humaco, San Juan (2 units), P.R. (2,3)
University of Tennessee System--Knoxville, Memphis, Tn. (2,3)
University of Texas System--Austin, Dallas, El Paso, Galveston, Houston (2 units), San Antonio (2 units), Tx. (2,3)
University of Wisconsin System--Madison, Milwaukee, Wi. (2 3,4)
University System of Georgia--Athens, Atlanta, Augusta, Savannah, Ga. (2,3)

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